

Figure 1A

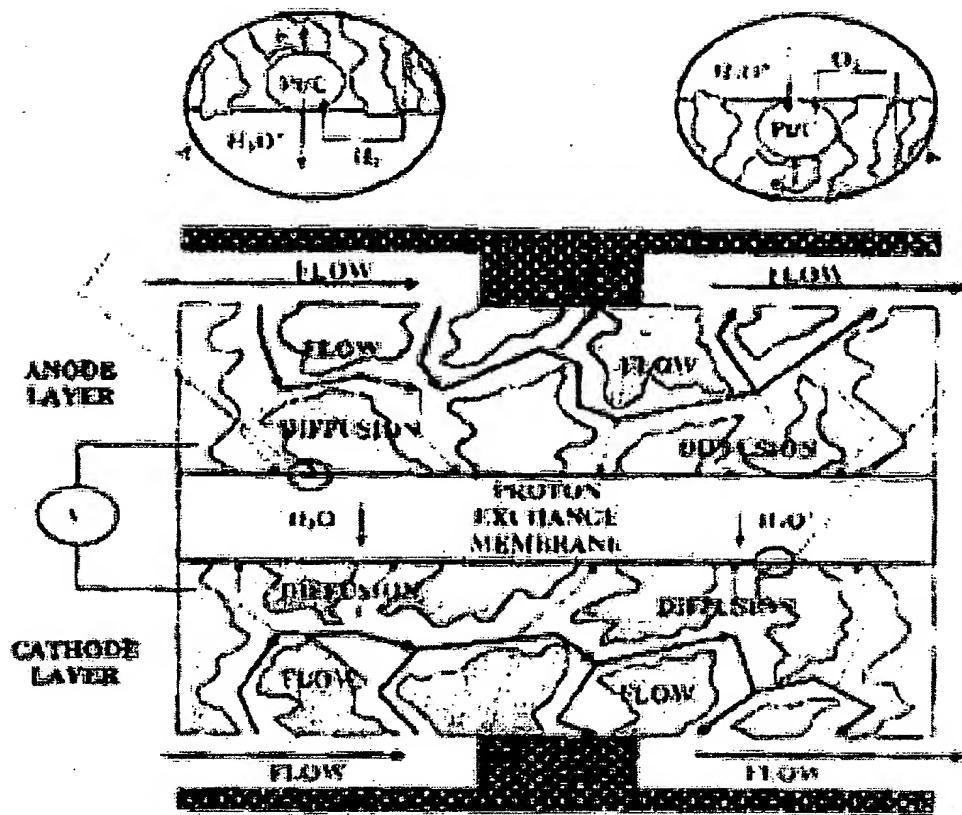


Figure 1B

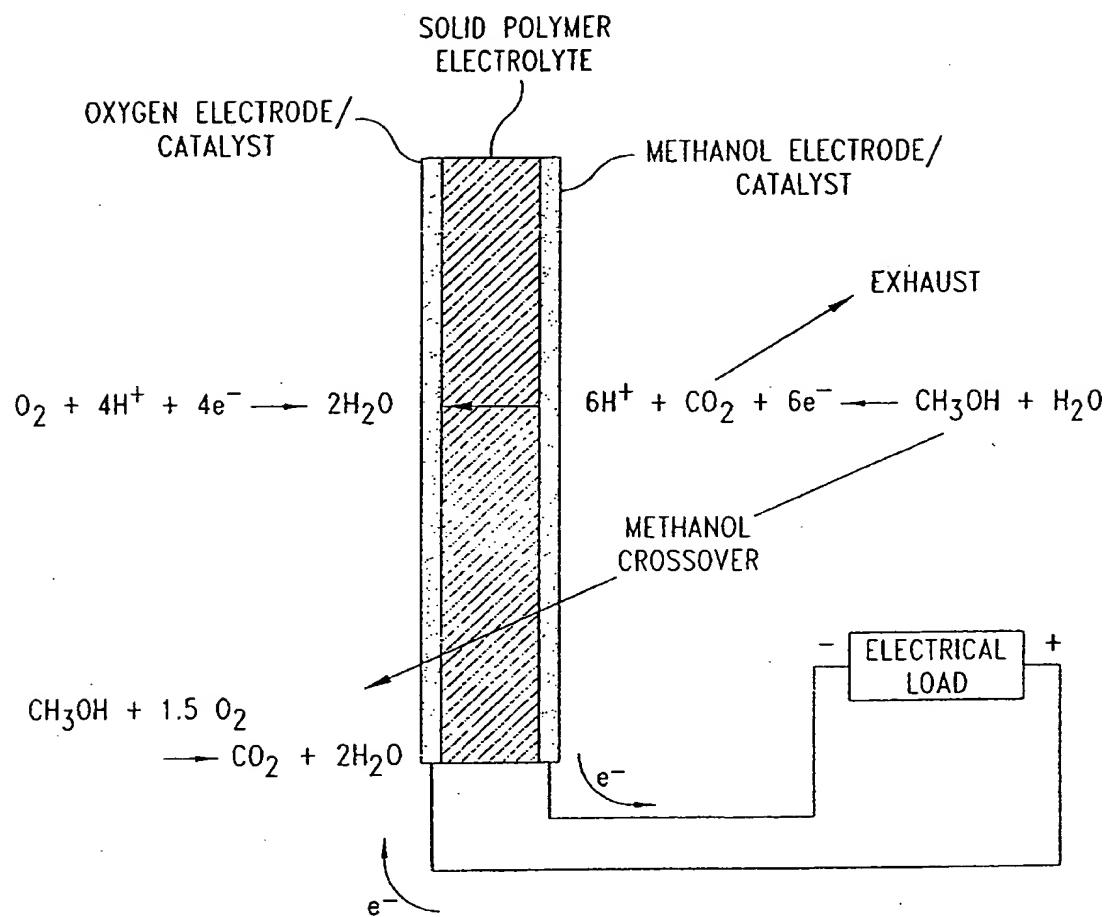


Fig. 2
(Prior Art)

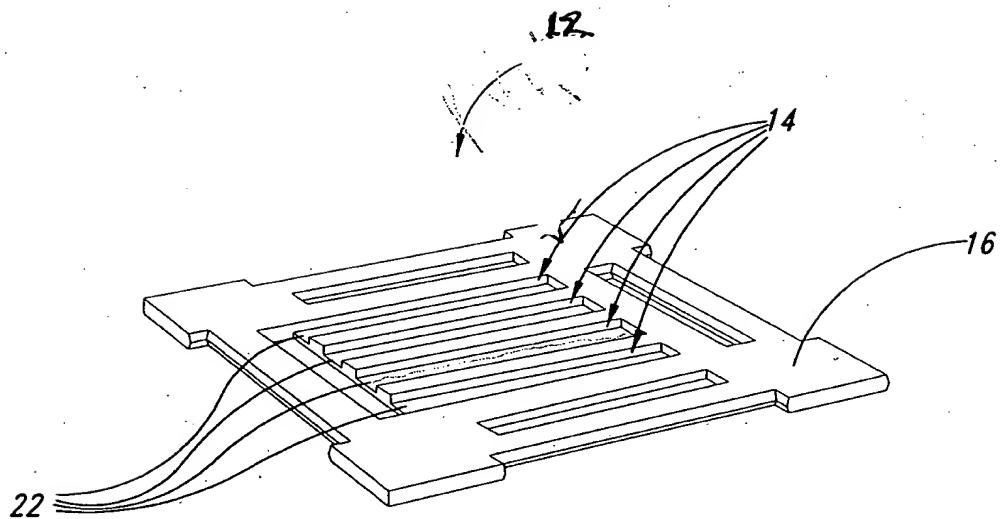


Fig. 3

09858327.051501

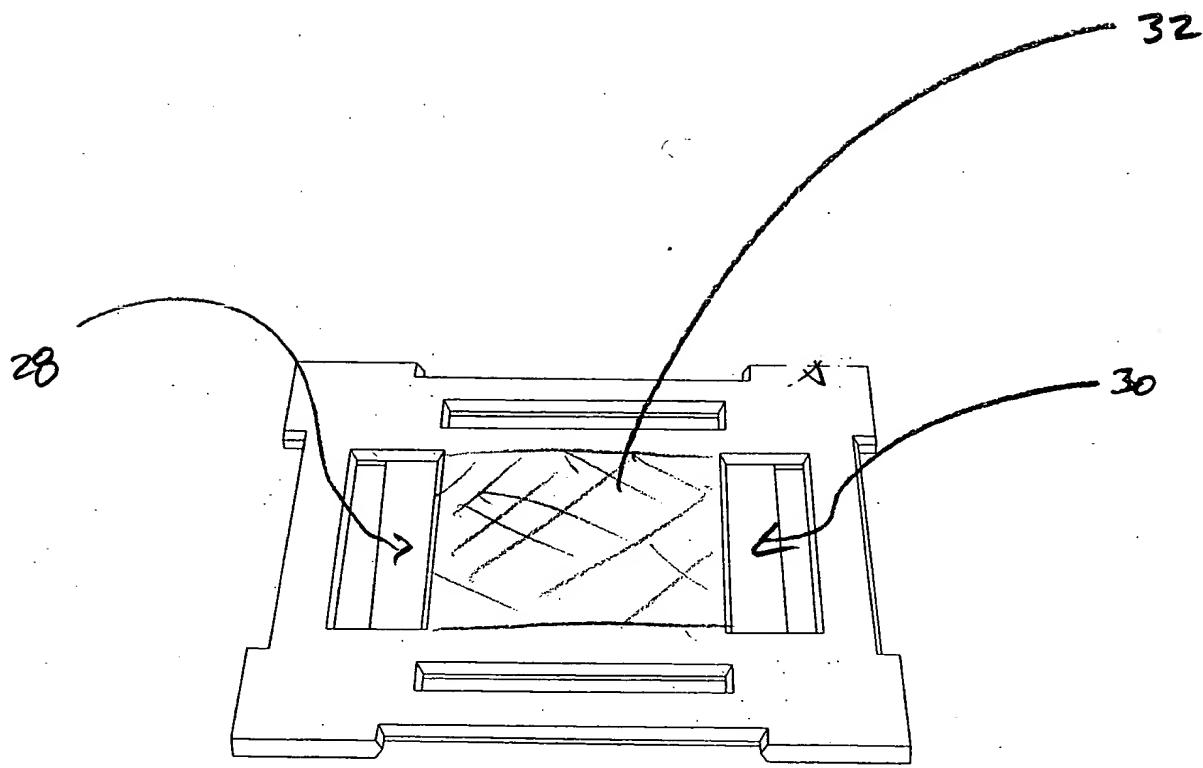


Fig. 4

09656322 - 051504

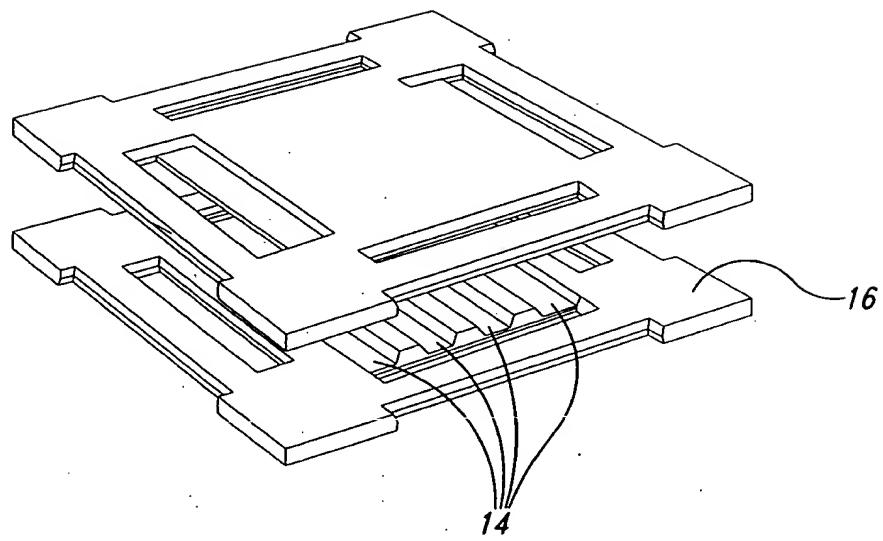


Fig. 5

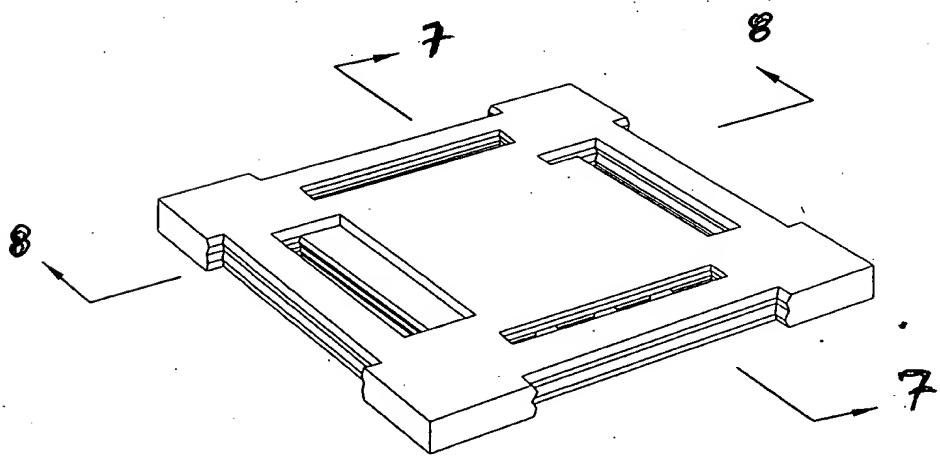


Fig. 6

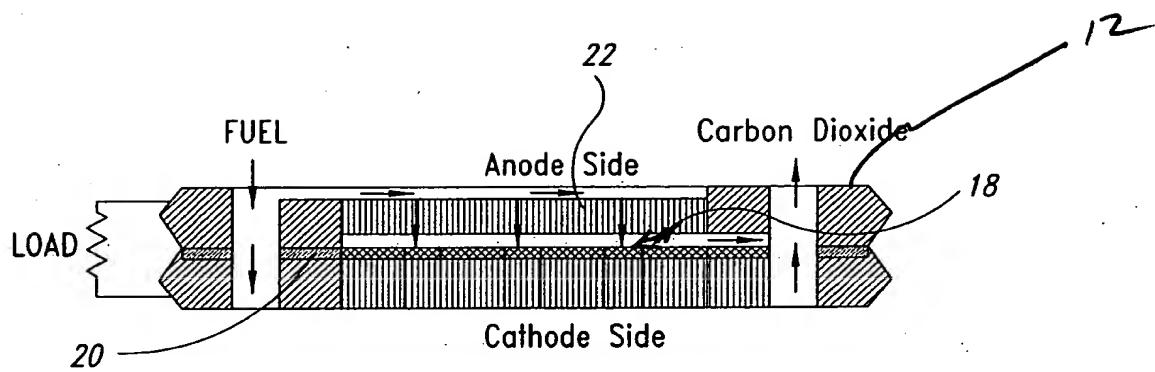


Fig. 7

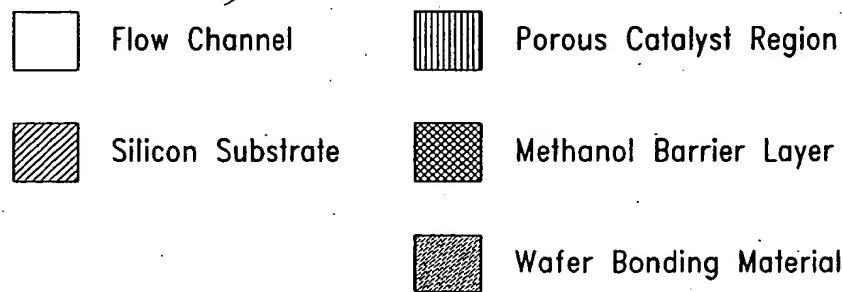
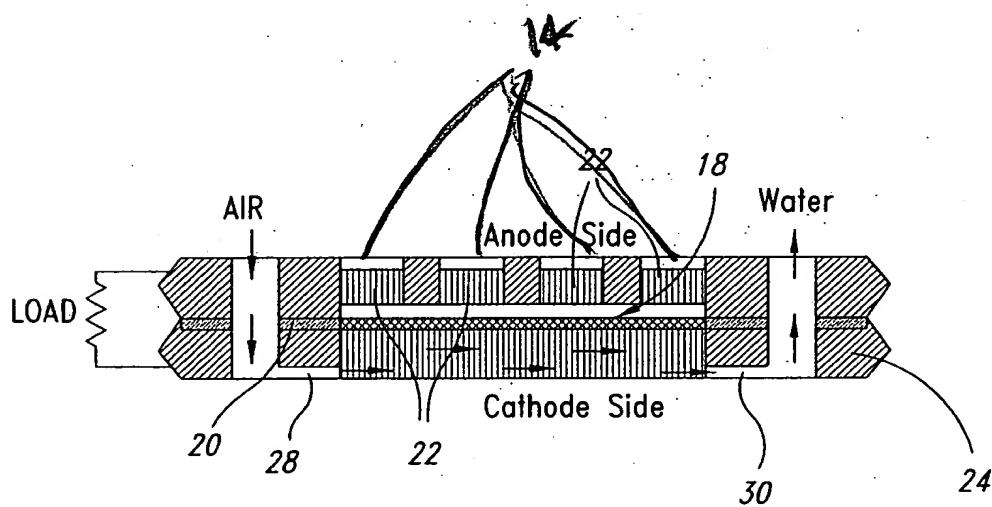


Fig. 8

09856327-054504

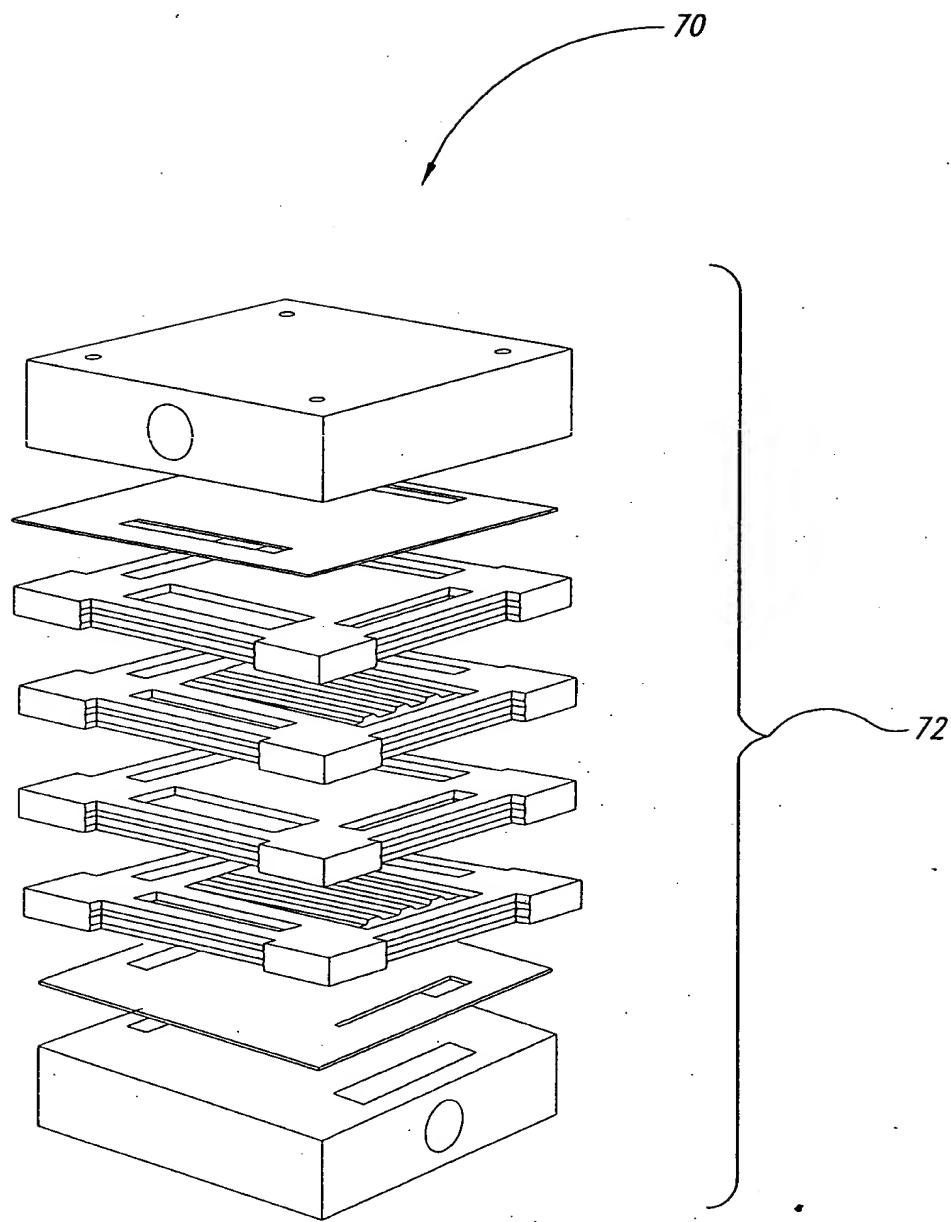


Fig. 9

09858327.051503

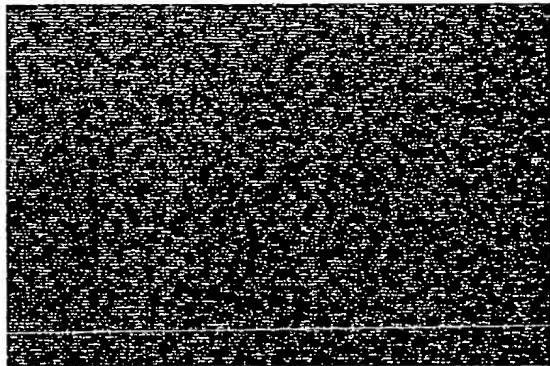


Fig 10A

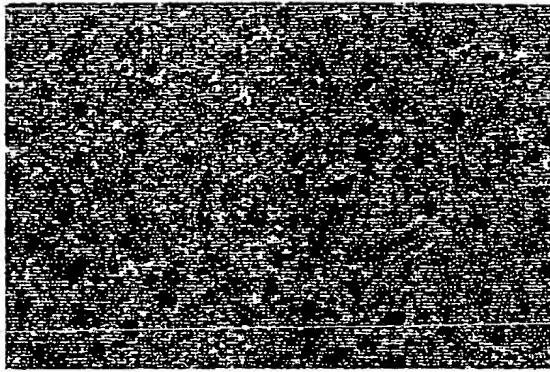


Fig 10B



Fig 11

09856322 051501

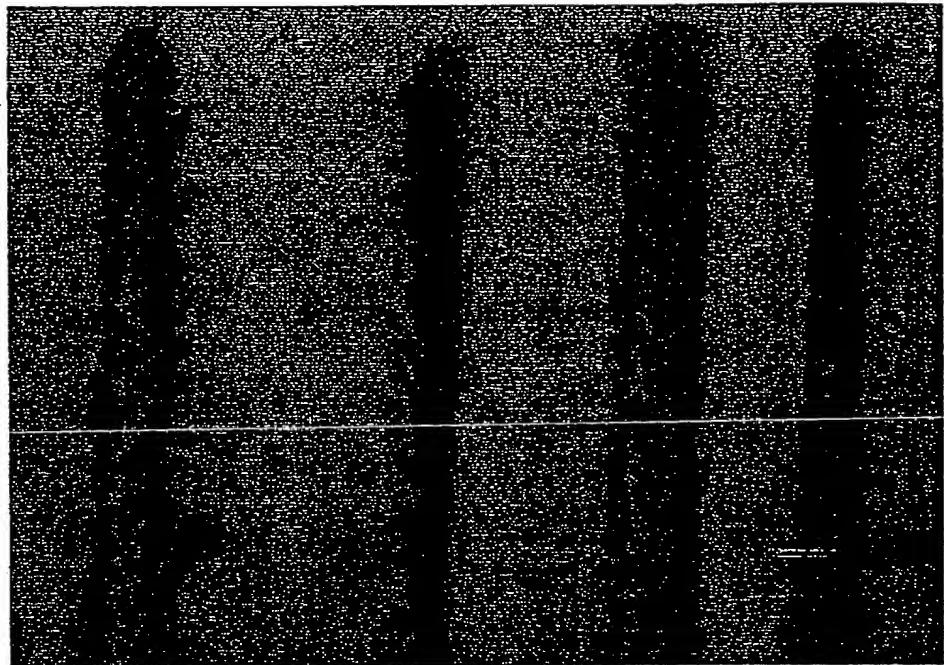


Fig. 12

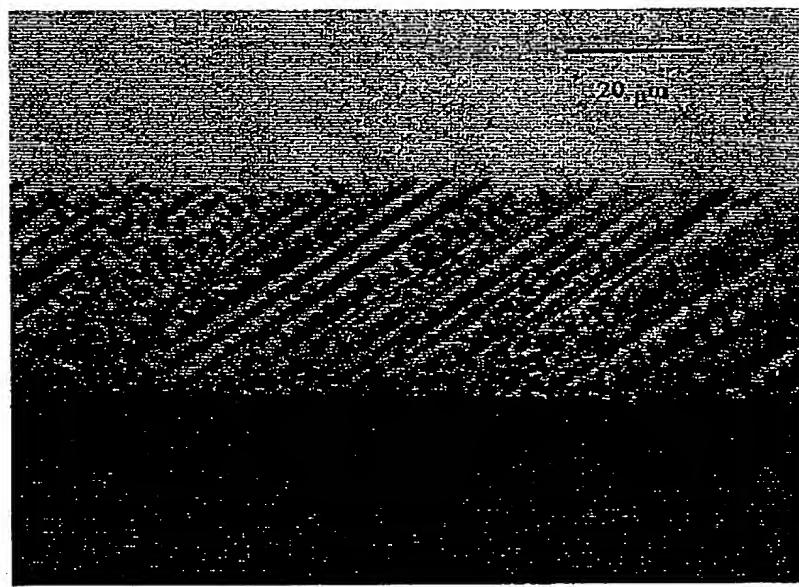
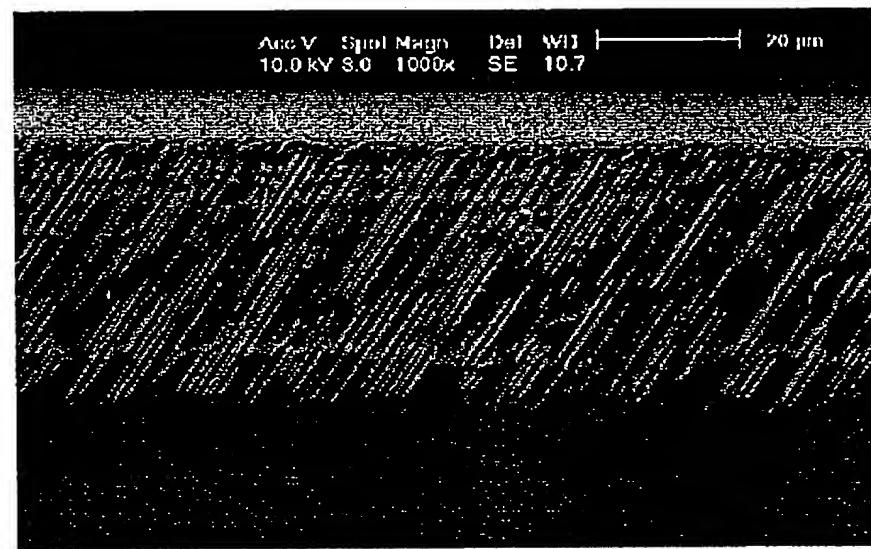
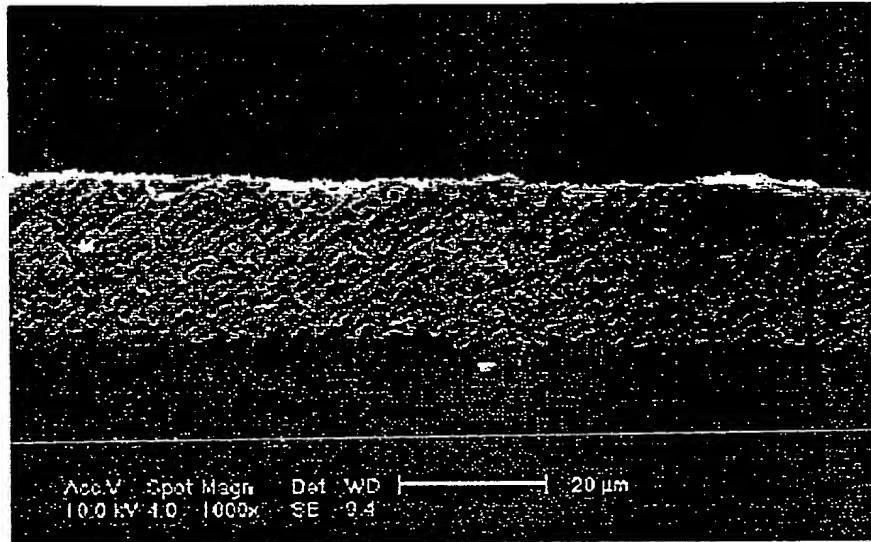


Fig. 13

100% 250% 300% 350% 400% 450% 500% 550% 600%



010358-01 Neah Power 240x

— 200 μ m —

Fig. 1.2/6

09858327-051501

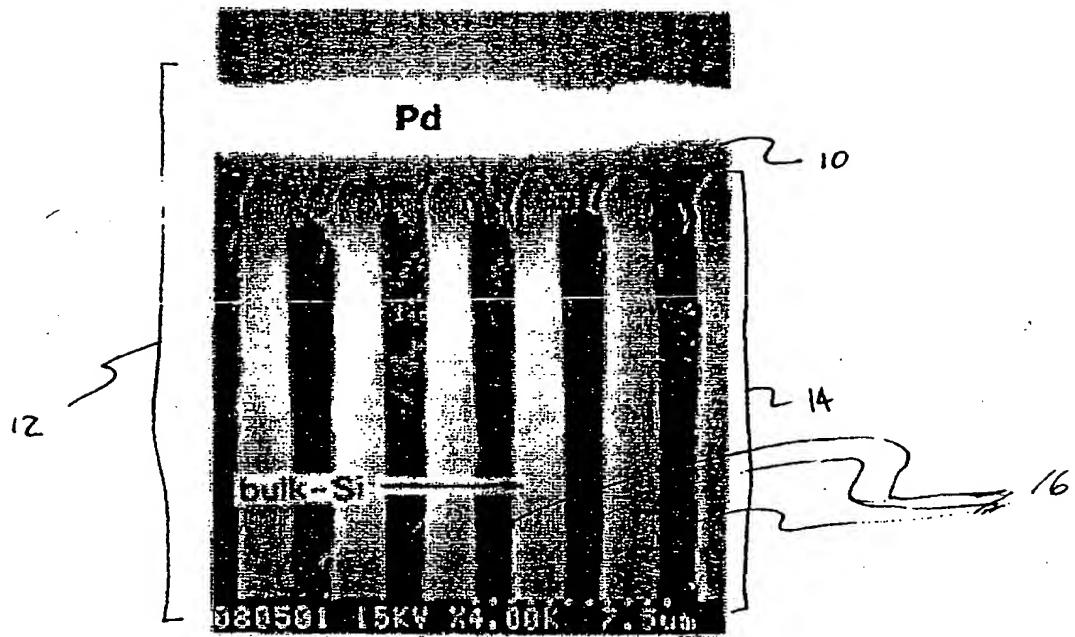
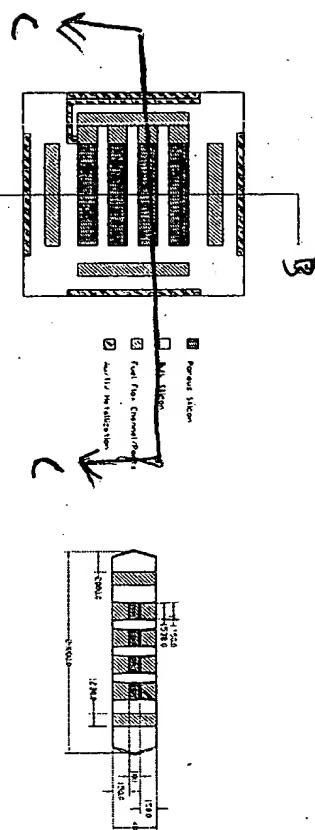
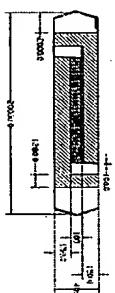


Figure 17

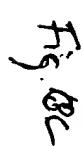
NEA10 - ANODE TOP VIEW



Anode Cross Section A



Anode Cross Section E



Die Ergebnisse der Untersuchungen sind in Tabelle 1 zusammengefasst.

0 985 58327 9 054604

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NEA10 - ANODE BOTTOM VIEW

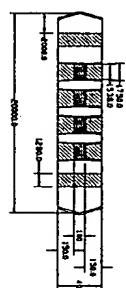
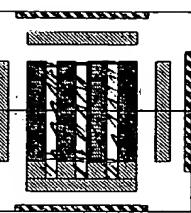


Fig 193

Cross Section A

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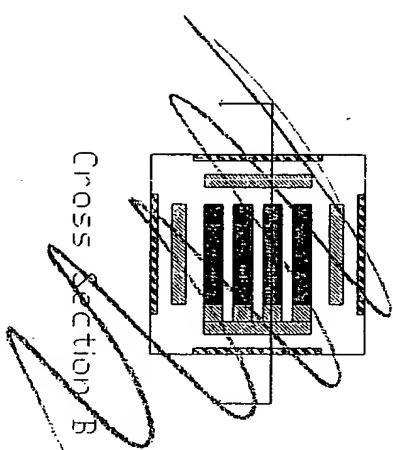


Fig 19C

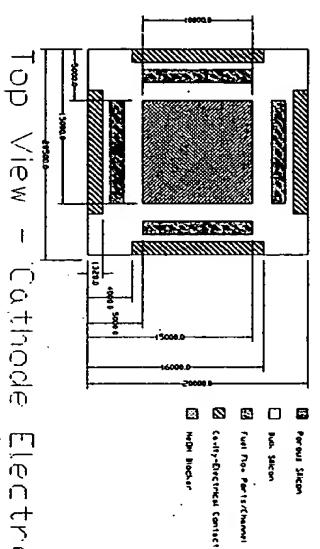
Cross section B

Reactions of the hydroquinone with 3,4-dihydro-
phthalimide, benzylidenebenzene, and 2,6-naphthalenedi-
imide.

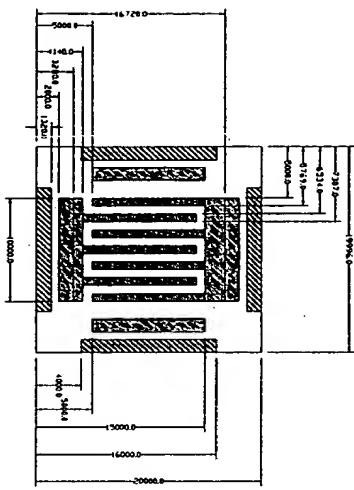
卷之三

194

Fig 20A = 20B = 20C = 20D



Top View - Cathode Electrode



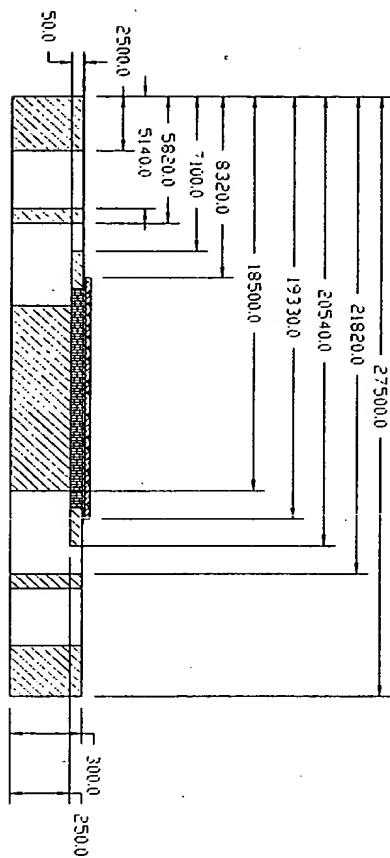
Bottom View - Cathode Electrode

Fig 20B
Fig 20C
Fig 20D

09858327.051501

Fig 20

EM10 - CATHODE ELECTRODE



- Silicon Substrate
- Porous Silicon
- Pd Layer
- Fuel Flow Ports/Channel

NOTE: Dimensions are in micrometers

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Fig 21

22A-D

Cathode Electrode

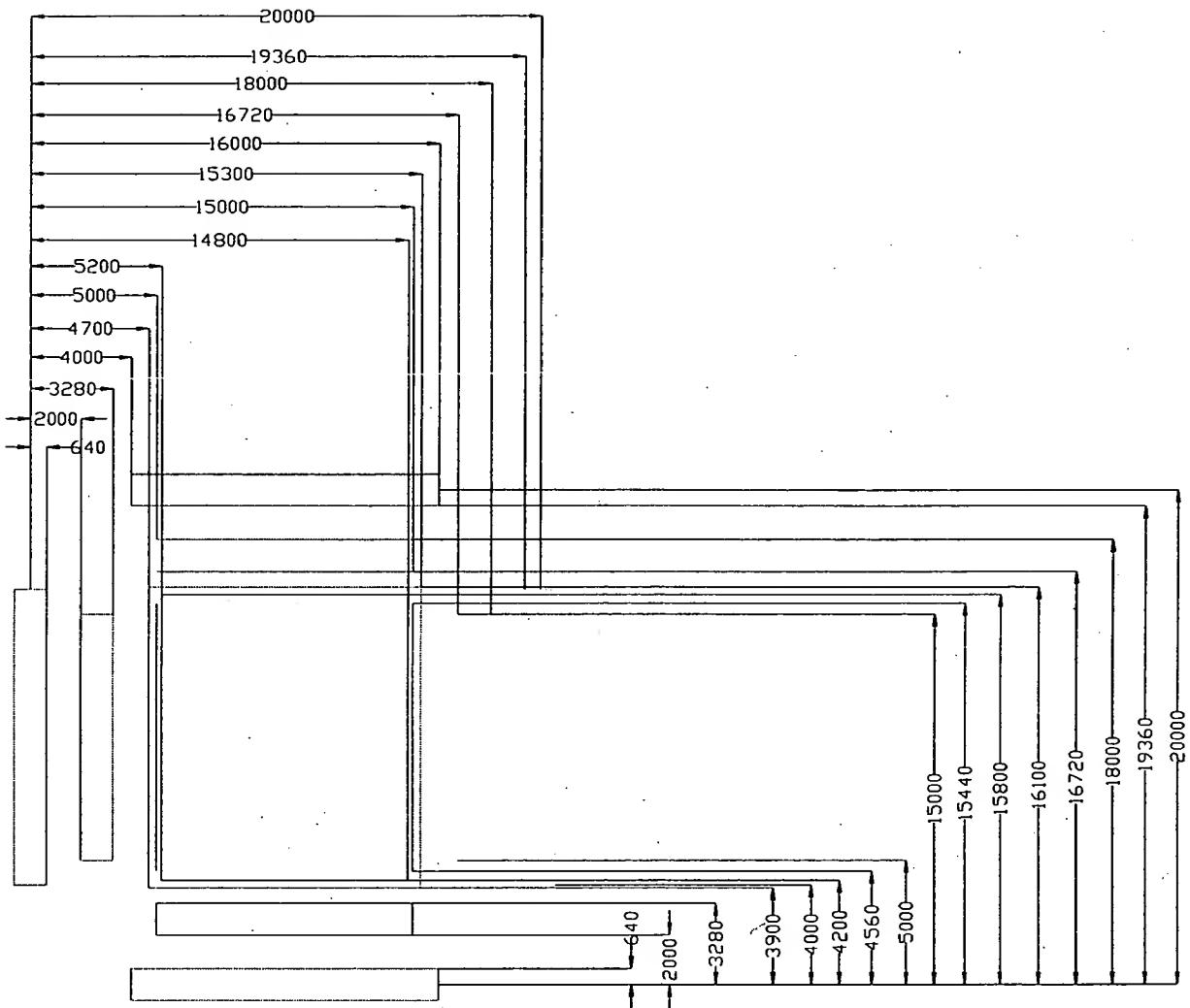
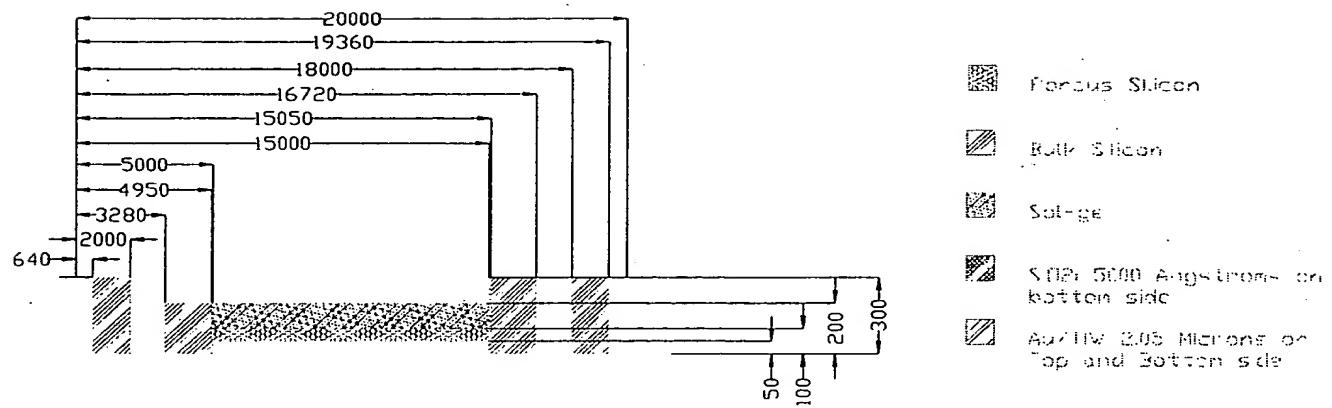


Fig 22A
Top View [X, Y] x1 scale

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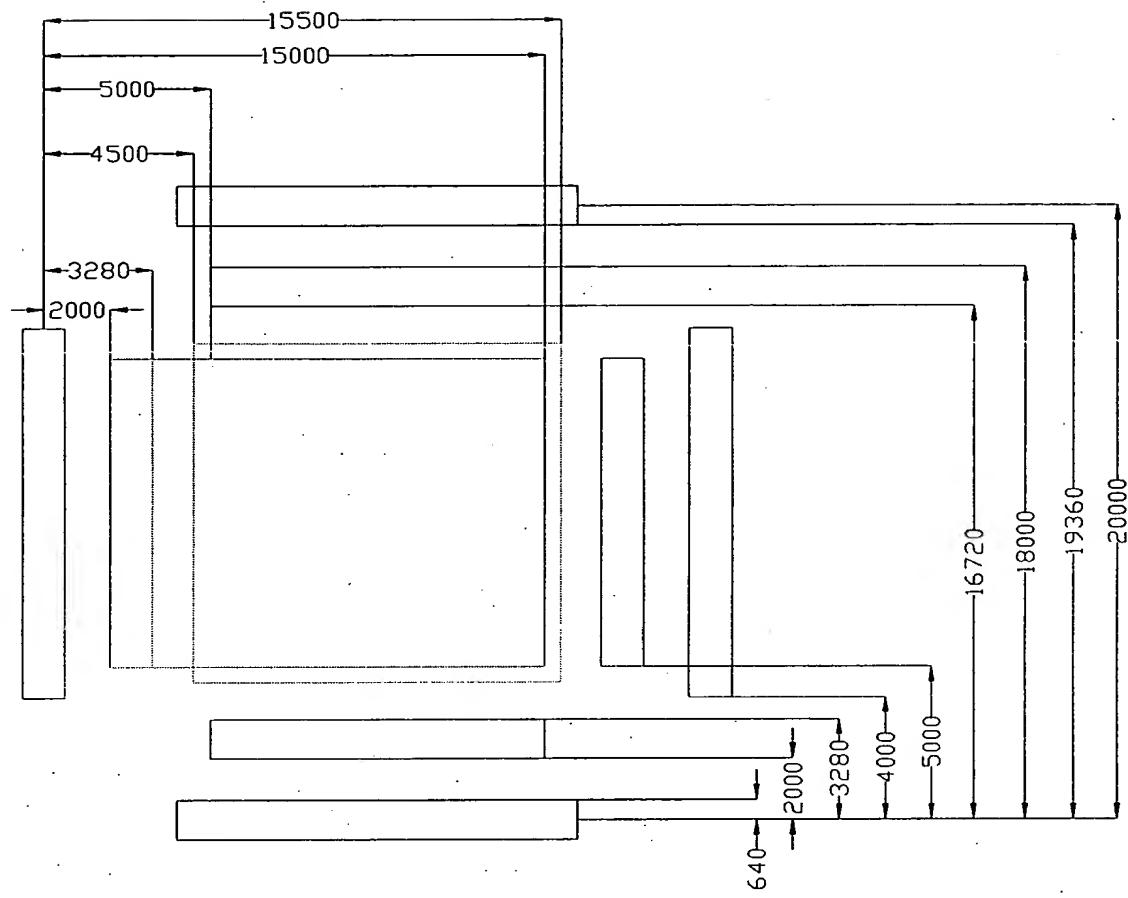


Side ← VDW

Fig. 22B

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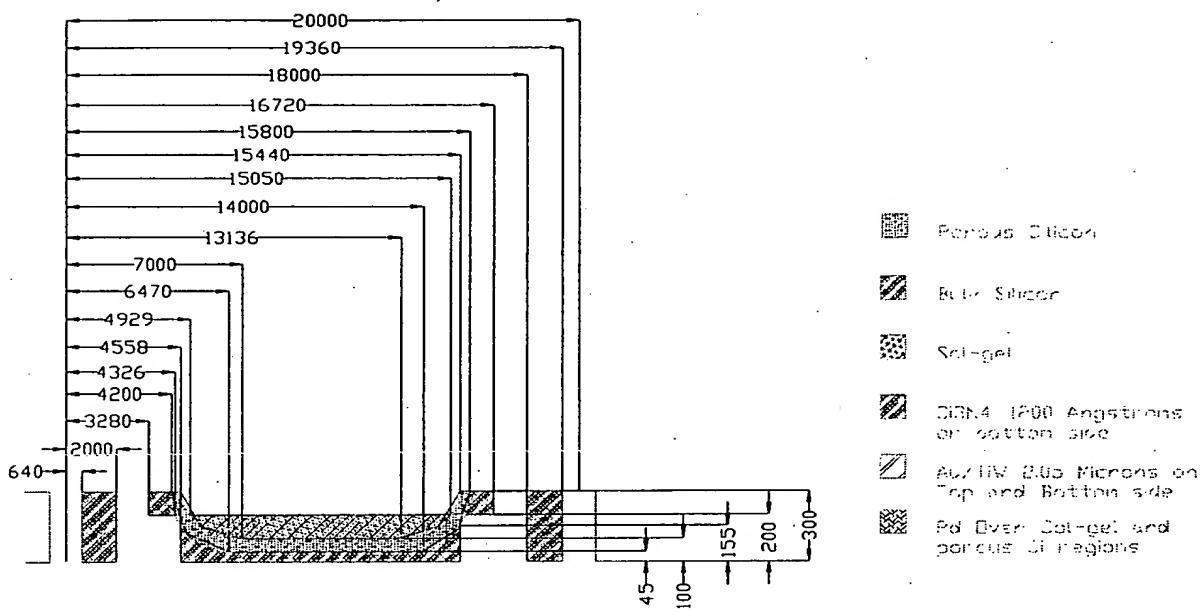
Angle reflector



Top View [X, Y] x scale

Fig. 22c

09853327-051501



Side View

Fig. 22R

09853327-061503

0985833-031501

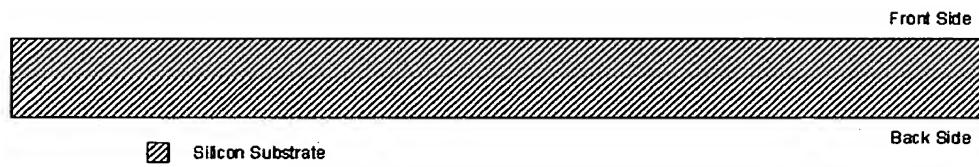


Figure 23

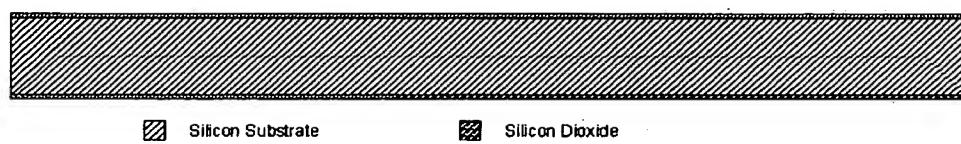


Figure 24

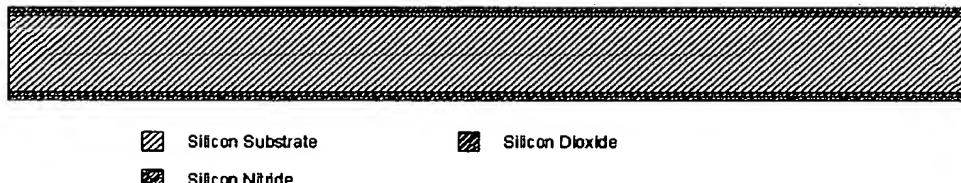


Figure 25

09853327 - 054501

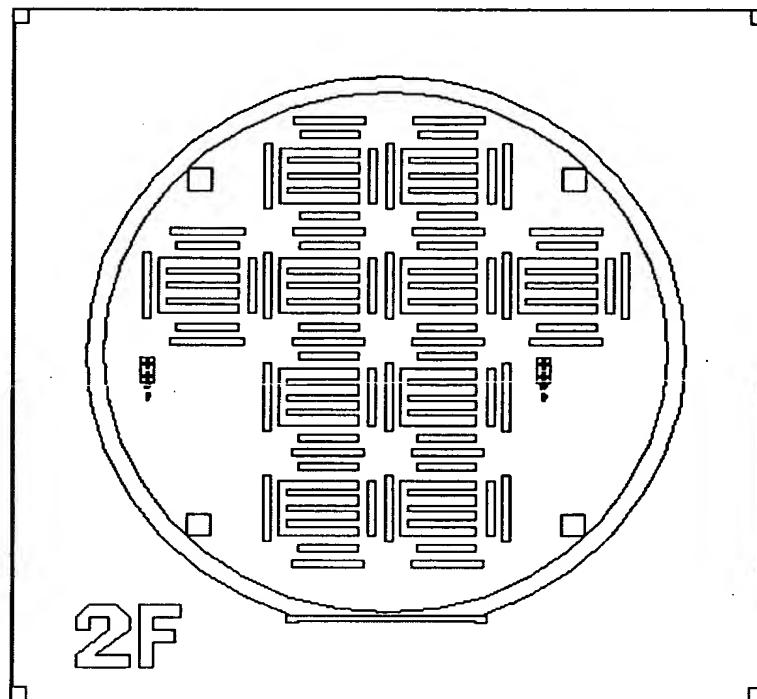
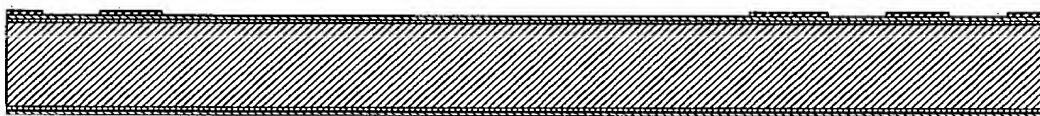
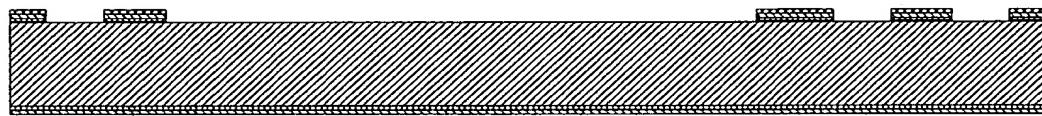


Figure 26A



■	Silicon Substrate
▨	Photoresist
▨	Silicon Nitride
■	Silicon Dioxide

Figure 26B



■ Silicon Substrate ■ Photoresist
■ Silicon Nitride ■ Silicon Dioxide

Figure 27



■ Silicon Substrate ■ Silicon Dioxide
■ Silicon Nitride

Figure 28

09858327 - 0531504

09858327 051504

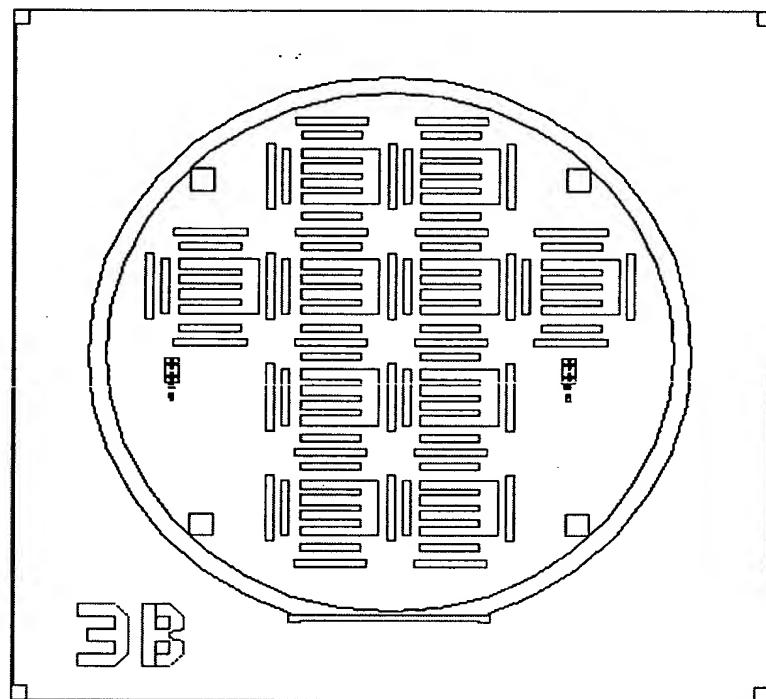


Figure 29A

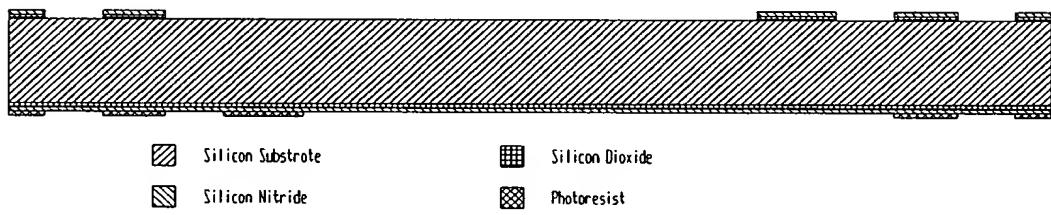


Figure 29B

09858327-054504

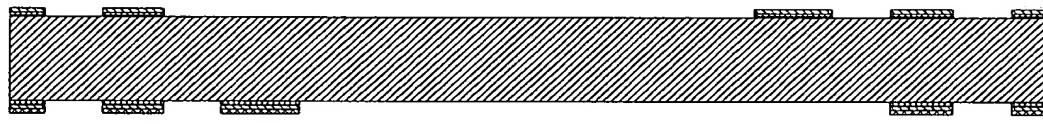


Figure 30

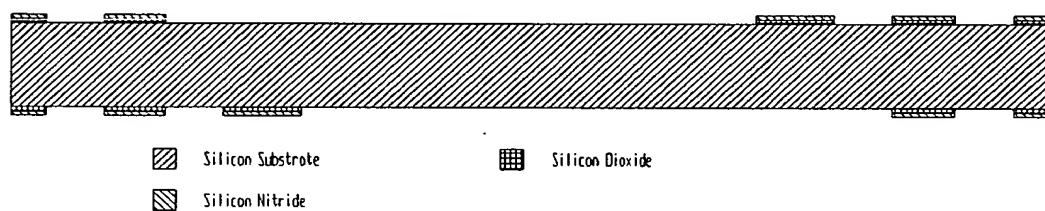


Figure 31

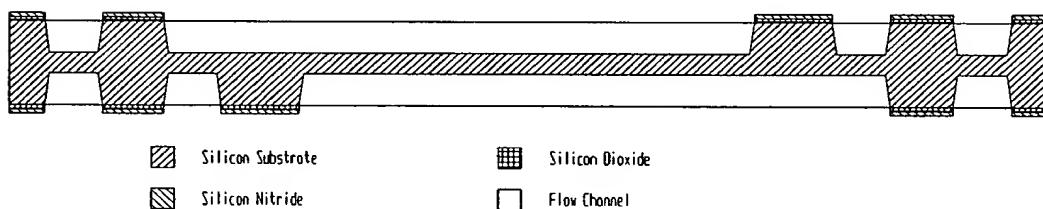


Figure 32

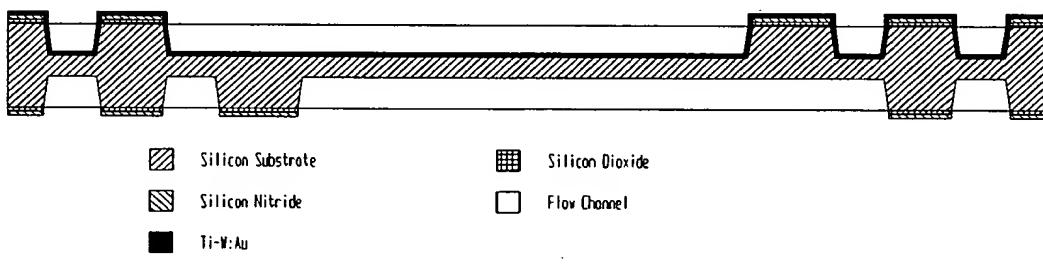


Figure 33

09858327-051501

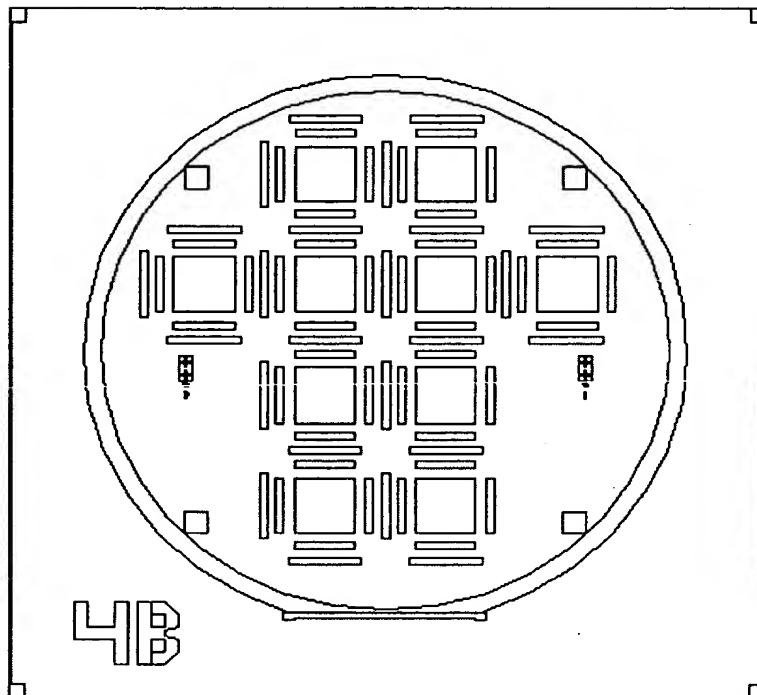


Figure 34A

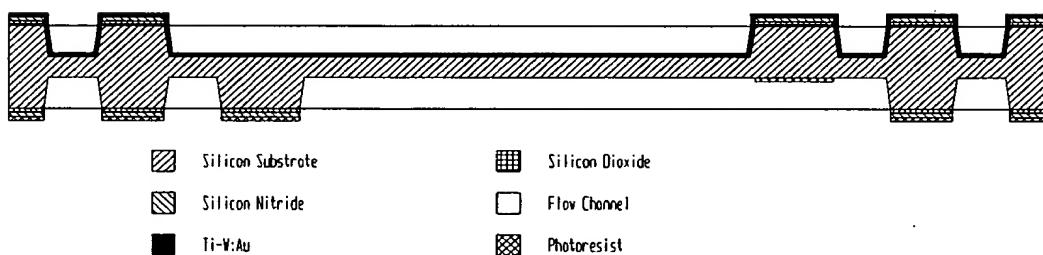


Figure 34B

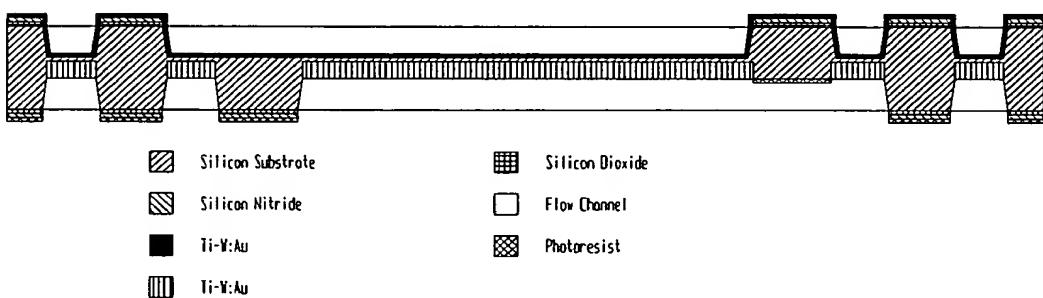


Figure 35

0983327-051501

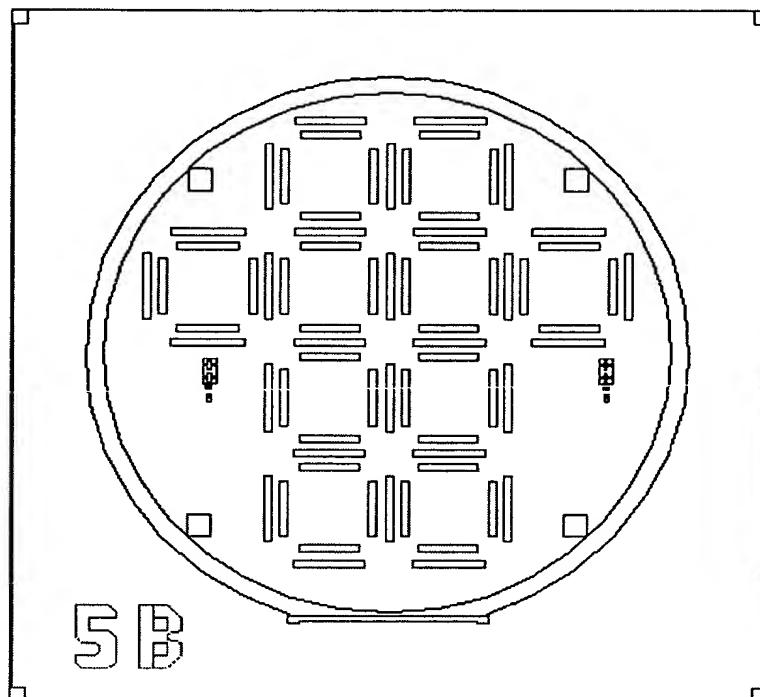


Figure 36A

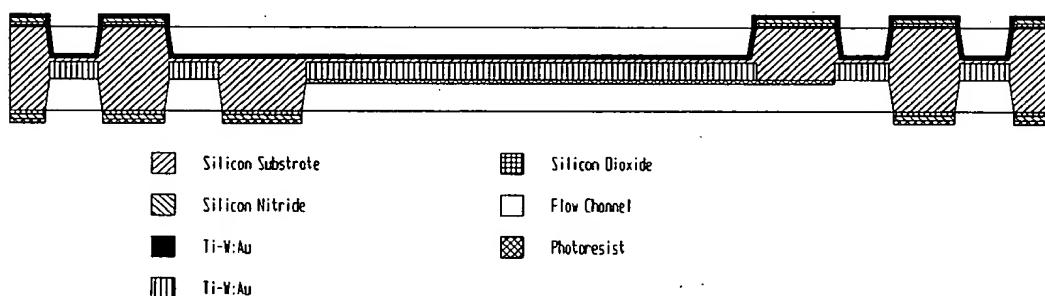


Figure 36B

09858327-051501

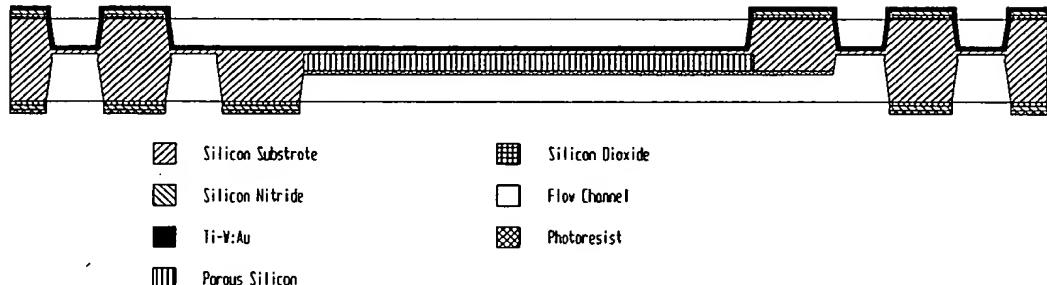


Figure 37

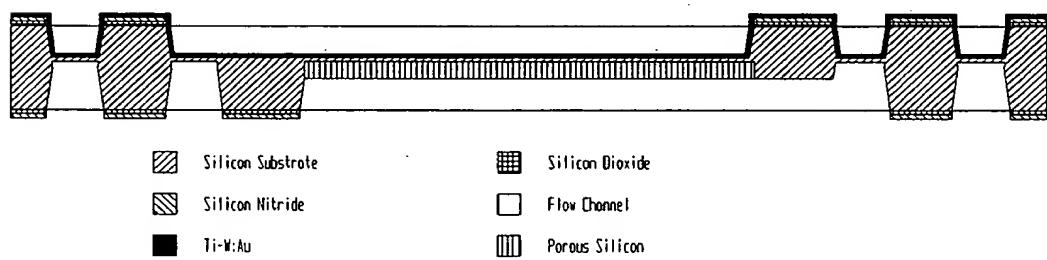


Figure 38

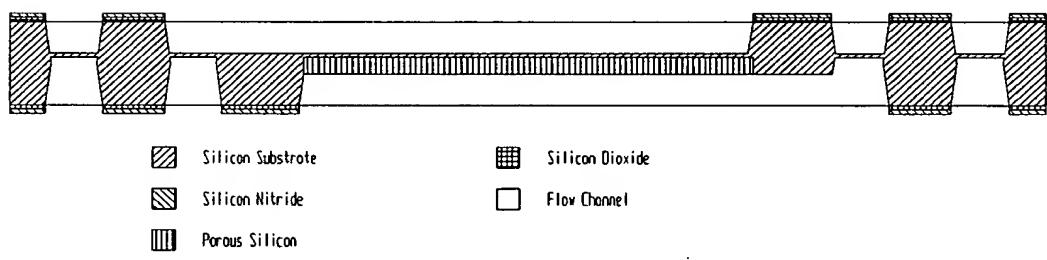


Figure 39

09853327-051501

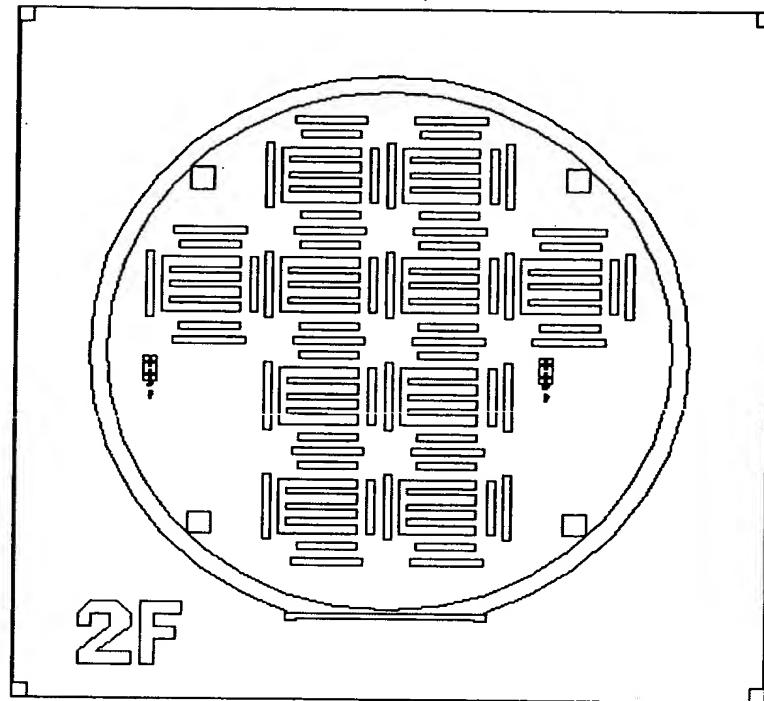
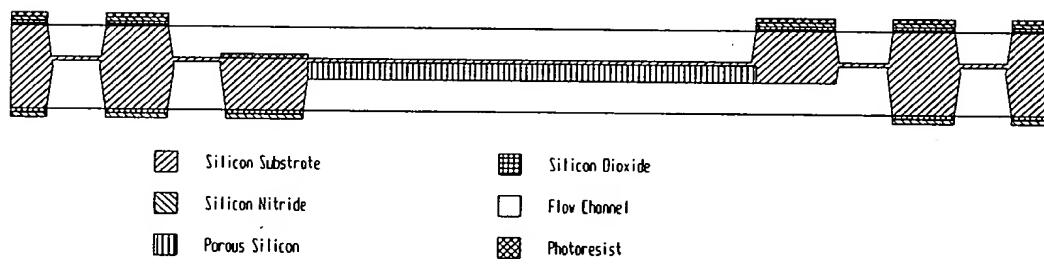


Figure 40A



■	Silicon Substrate
▨	Silicon Nitride
▨▨	Porous Silicon
▨▨▨	Silicon Dioxide
□	Flow Channel
▨▨▨	Photoresist

Figure 40B

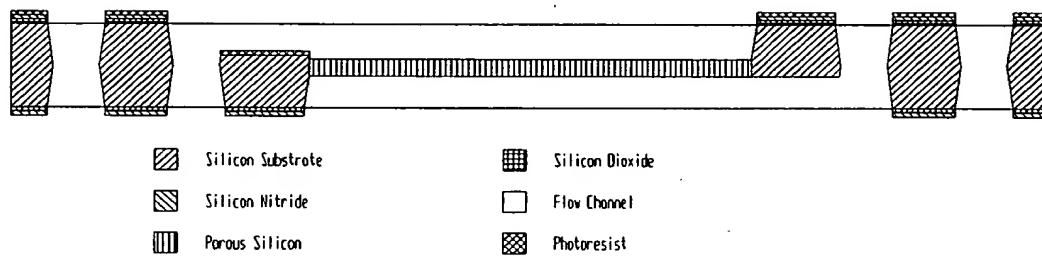


Figure 41

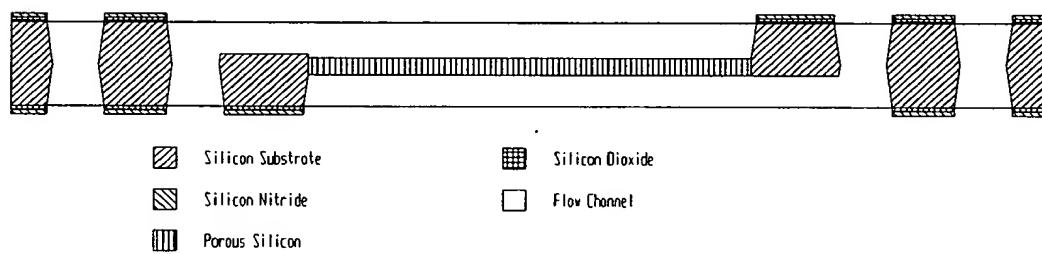


Figure 42

09858327 054504

09858327-054504

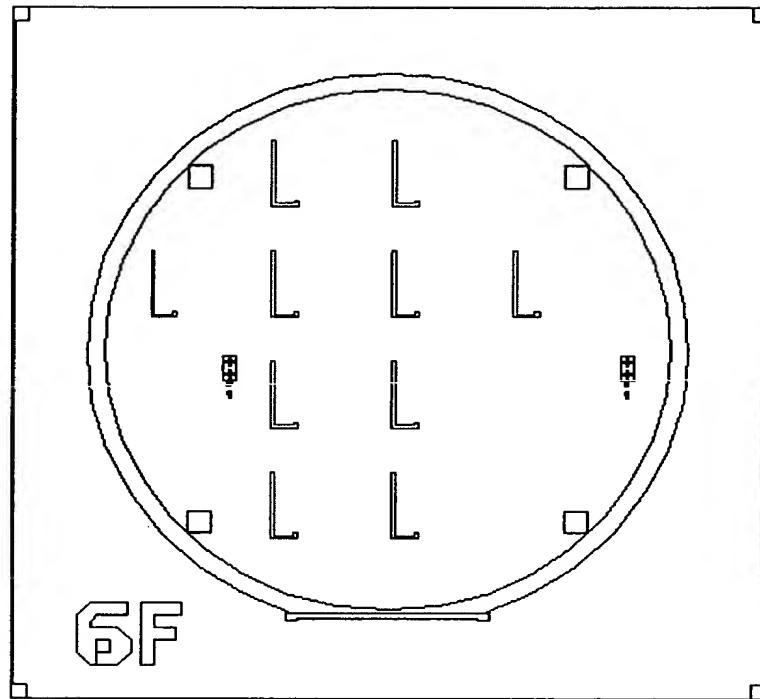


Figure 43A

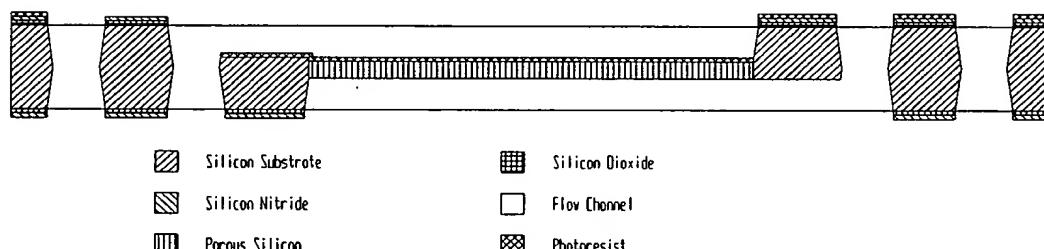


Figure 43B

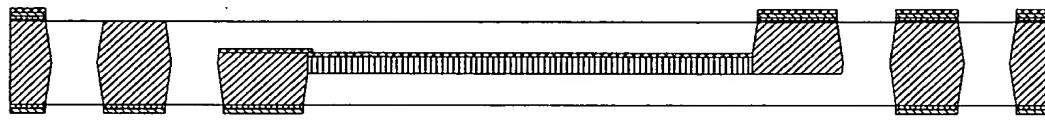


Figure 44

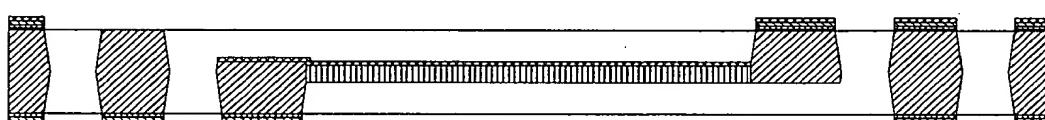
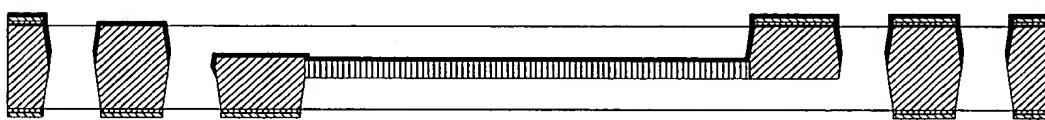


Figure 45



■	Silicon Substrate
■	Silicon Nitride
■	Porous Silicon
■	Silicon Dioxide
□	Flow Channel
■	Photoresist

Figure 46

09858327-051501

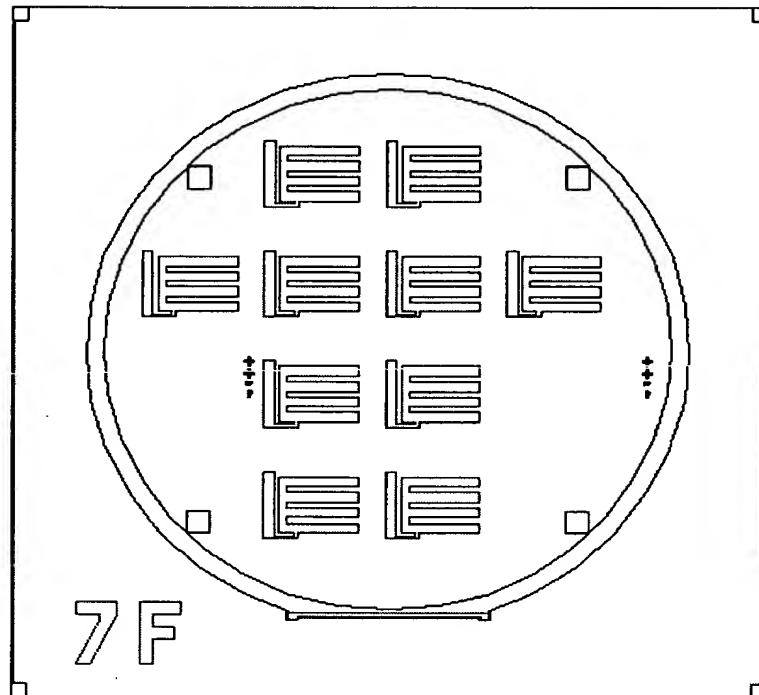


Figure 47A

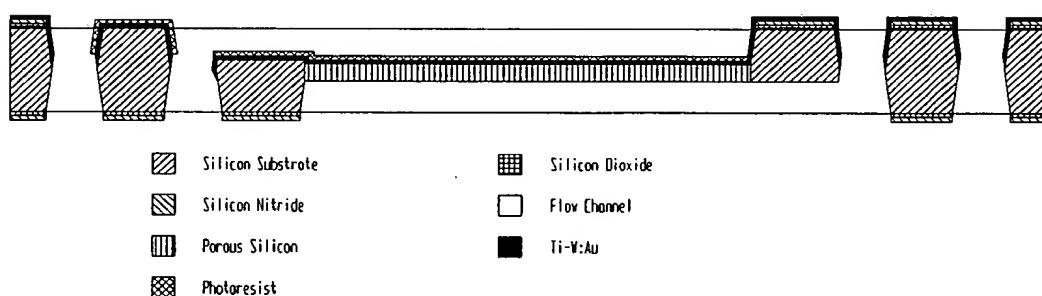


Figure 47B

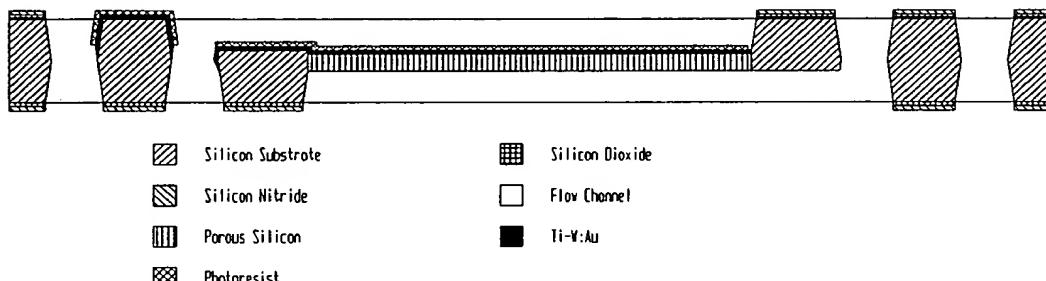


Figure 48

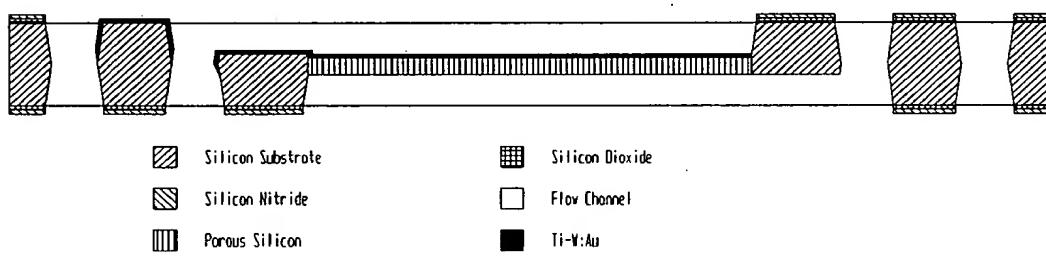


Figure 49

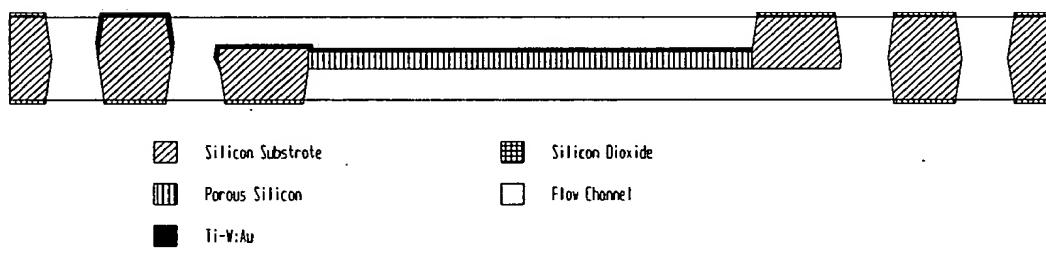


Figure 50

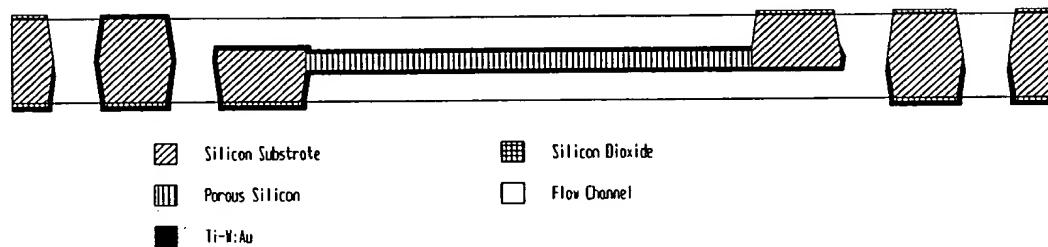


Figure 51

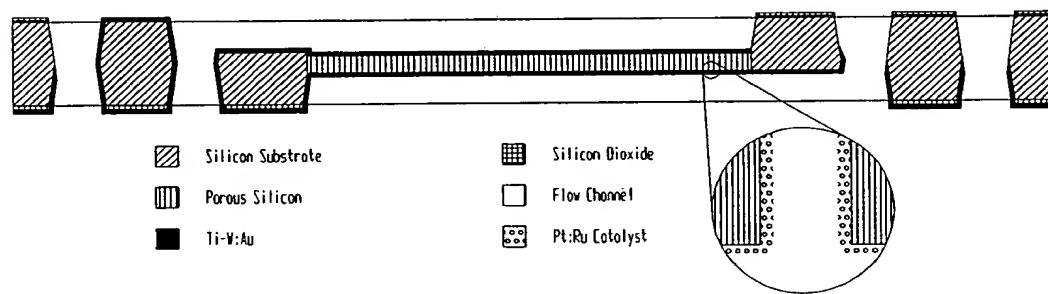


Figure 52

092633277.C051501

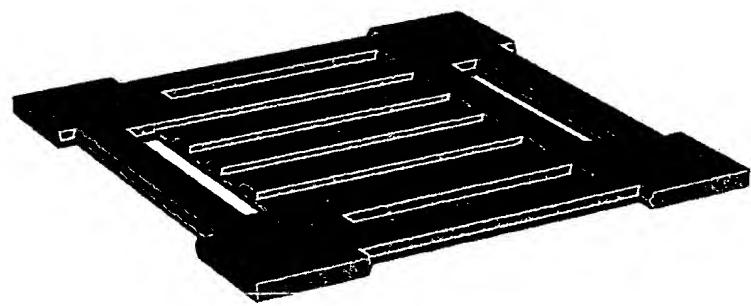


Figure 53A

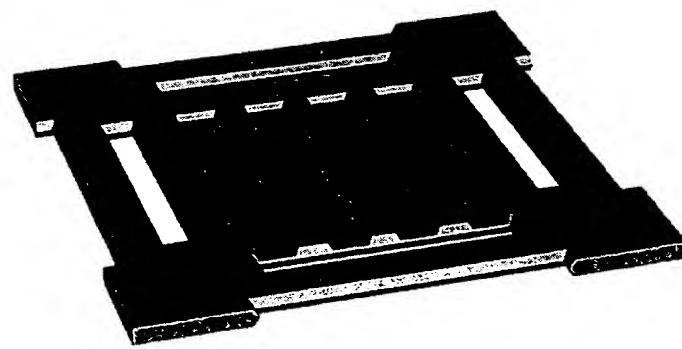
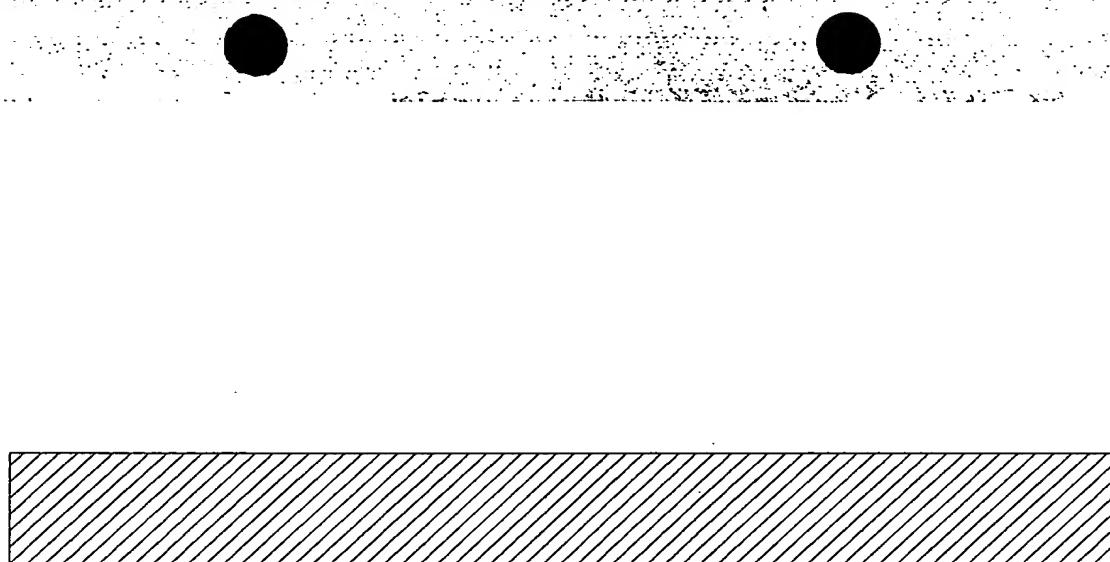


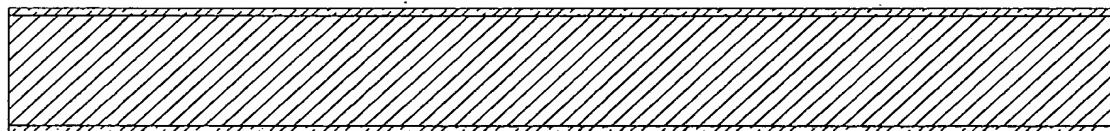
Figure 53B



■ Silicon Substrate

009859327-051501

Figure 54



■ Silicon Substrate

■ Silicon Nitride

Figure 55

09858327-054504

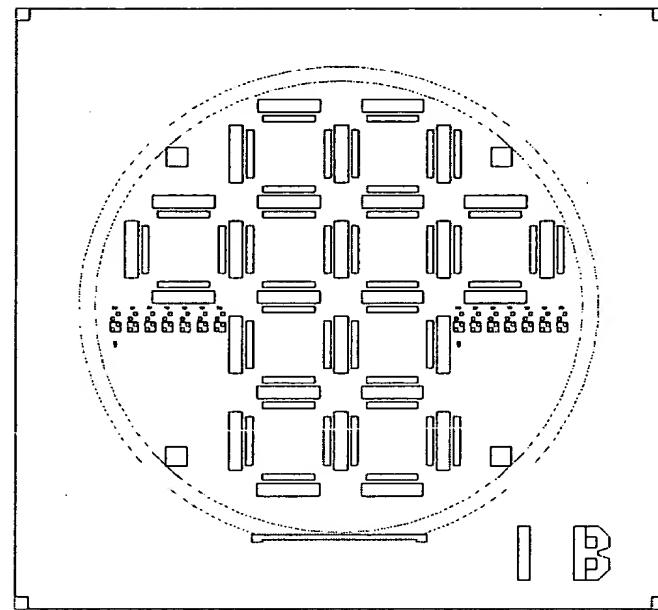
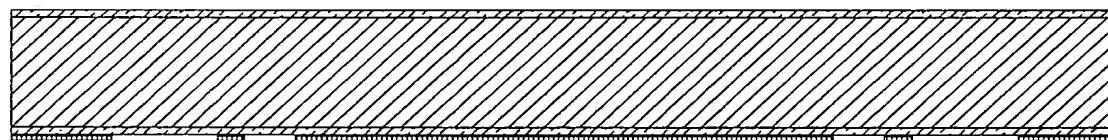
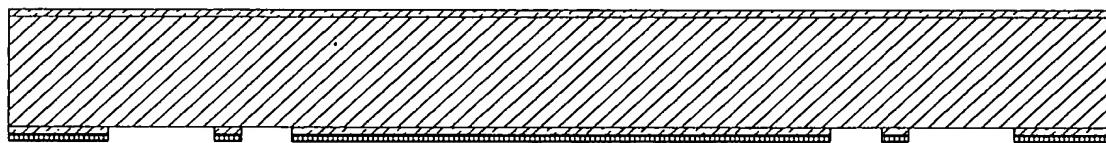


Figure 56A



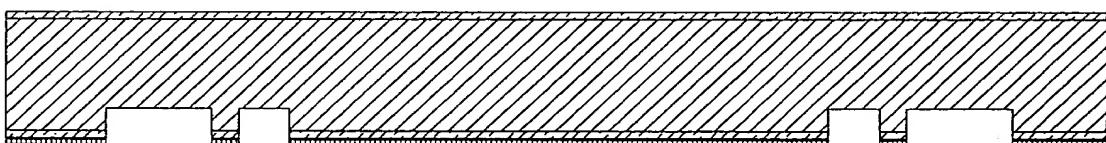
- Silicon Substrate
- Silicon Nitride
- Photo Resists

Figure 56B



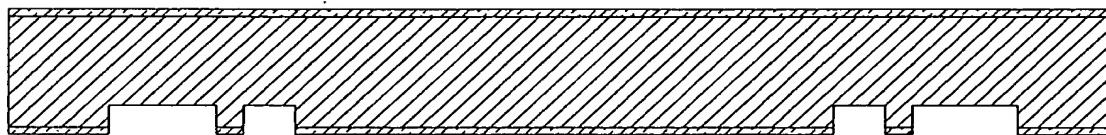
- Silicon Substrate
- Silicon Nitride
- Photo Resists

Figure 57



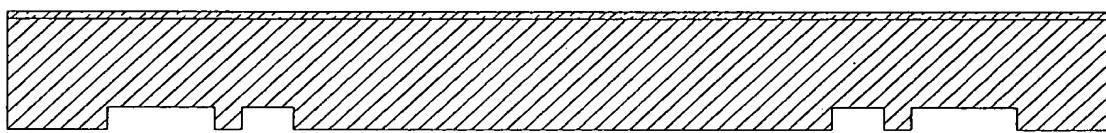
- Silicon Substrate
- Silicon Nitride
- Photo Resists

Figure 58



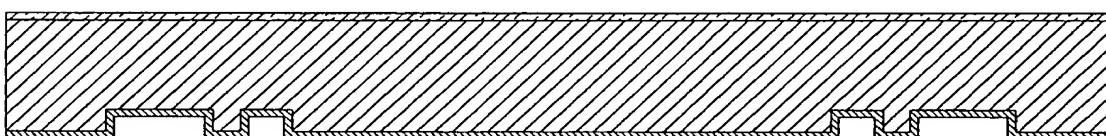
- Silicon Substrate
- ▨ Silicon Nitride

Figure 59



- Silicon Substrate
- ▨ Silicon Nitride

Figure 60



- Silicon Substrate
- ▨ Silicon Nitride
- ▨ Aluminum Contact

Figure 61

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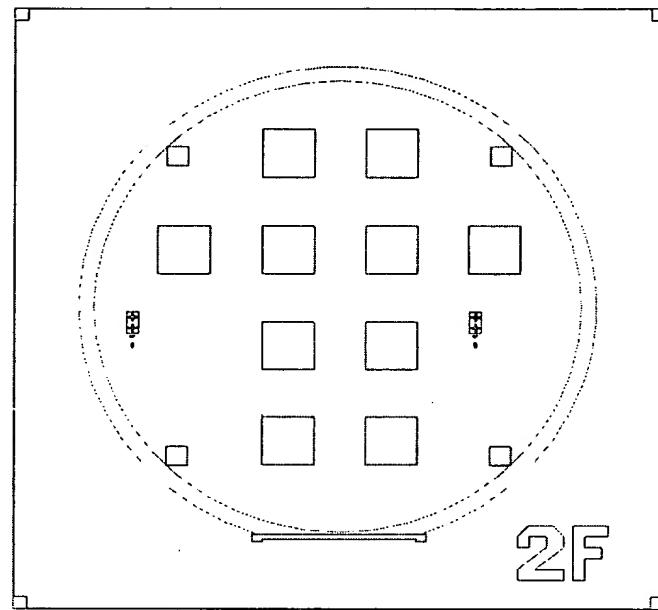
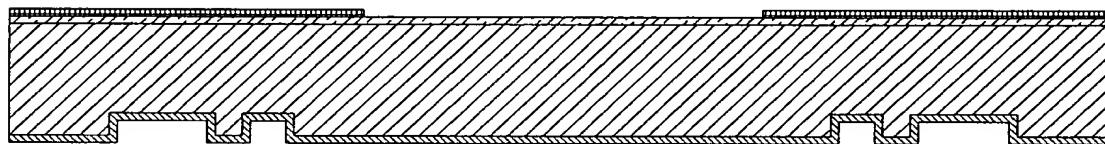


Figure 62A



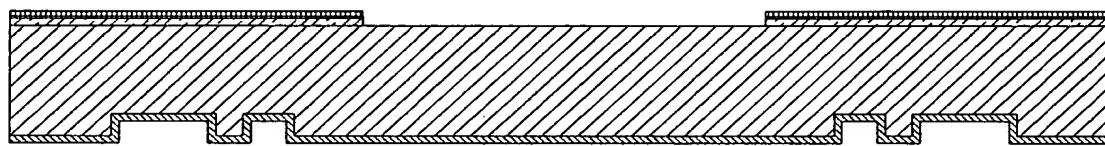
Silicon Substrate

Photo Resists

Silicon Nitride

Aluminum Contact

Figure 62B



■ Silicon Substrate

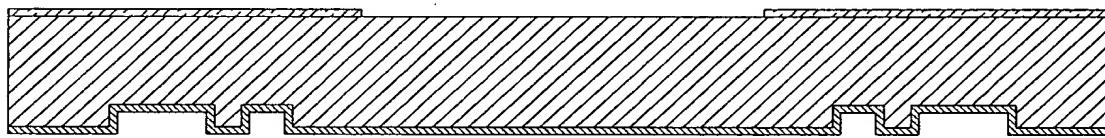
■ Silicon Nitride

■ Aluminum Contact

■ Photo Resists

09853327-051504

Figure 63

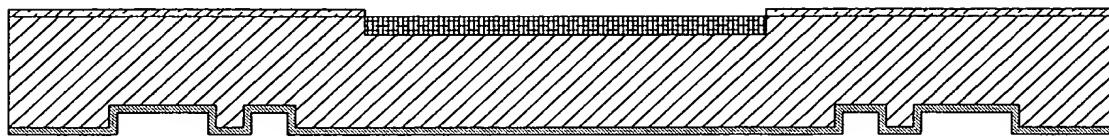


■ Silicon Substrate

■ Silicon Nitride

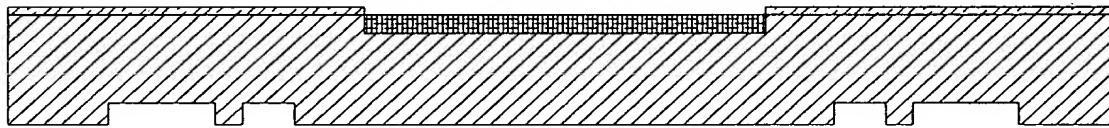
■ Aluminum Contact

Figure 64



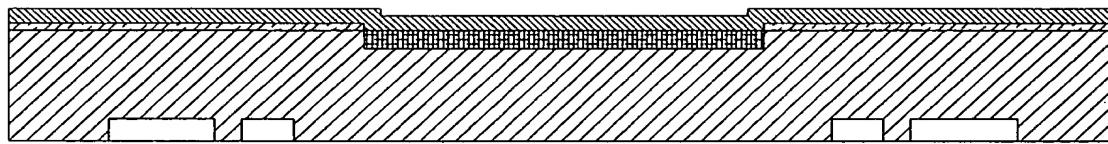
■ Silicon Substrate ■ Porous Silicon
■ Silicon Nitride
■ Aluminum Contact

Figure 65



■ Silicon Substrate ■ Porous Silicon
■ Silicon Nitride

Figure 66



■ Silicon Substrate

■ Silicon Nitride

■ Aluminum Contact

■ Porous Silicon

Figure 67

099358327-054504

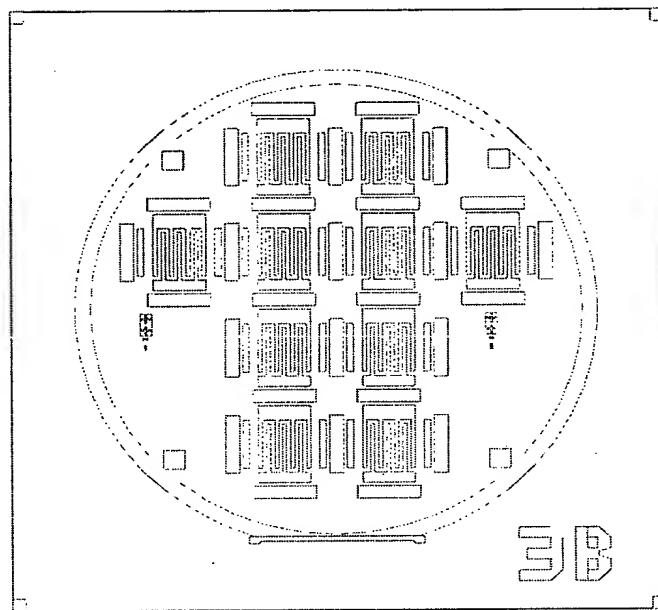
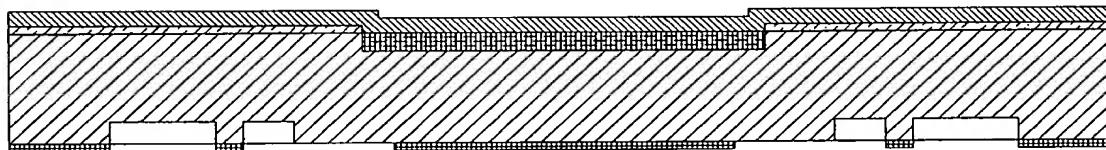


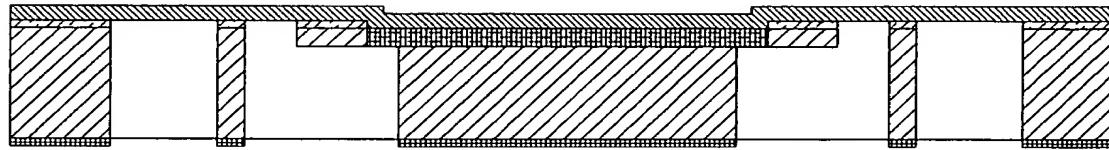
Figure 68A



Silicon Substrate	Aluminum Contact
Silicon Nitride	Porous Silicon
Photo Resists	

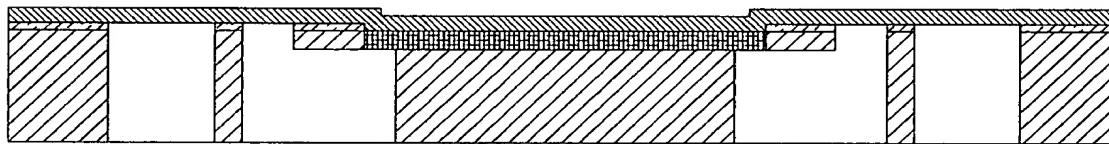
Figure 68B

09853322-051501



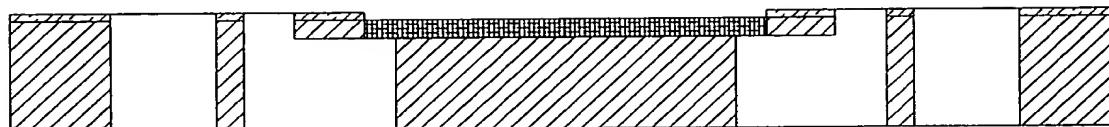
\\\\ Silicon Substrate	\\\\ Aluminum Contact
\\\\ Silicon Nitride	\\\\ Porous Silicon
\\\\ Photo Resists	

Figure 69



\\\\ Silicon Substrate	\\\\ Aluminum Contact
\\\\ Silicon Nitride	\\\\ Porous Silicon

Figure 70

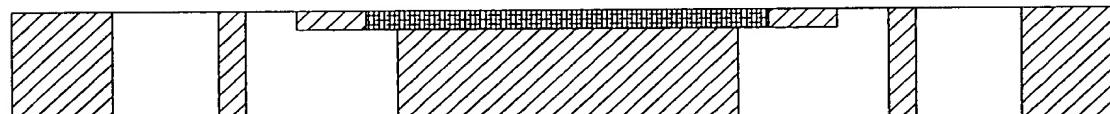


 Silicon Substrate

Porous Silicon

 Silicon Nitride

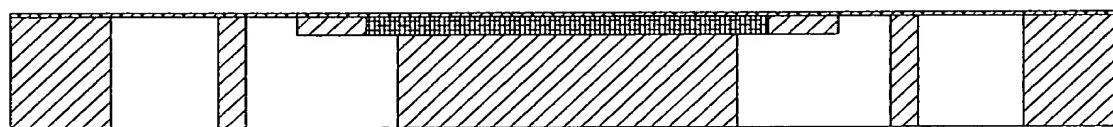
Figure 71



 Silicon Substrate

Porous Silicon

Figure 72



□ Silicon Substrate

■ Porous Silicon

▨ Metal Seed Layer

Figure 73

0.9858322.051504

105150-22385360

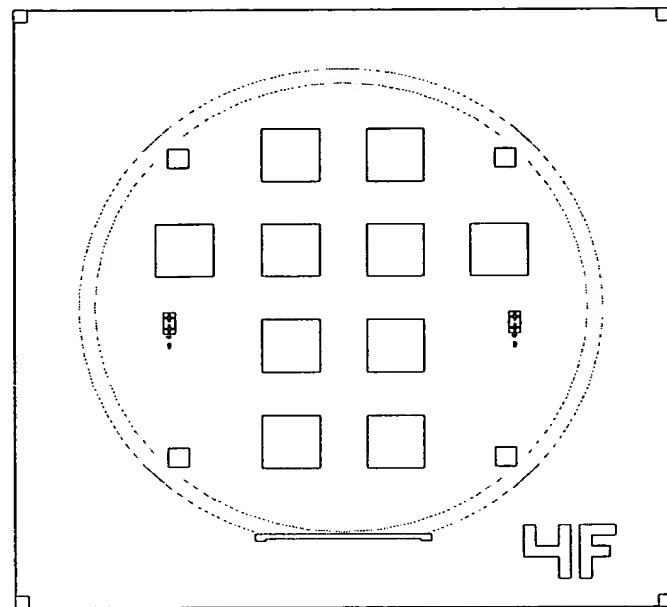
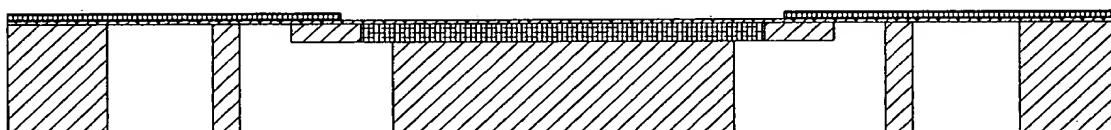


Figure 74A



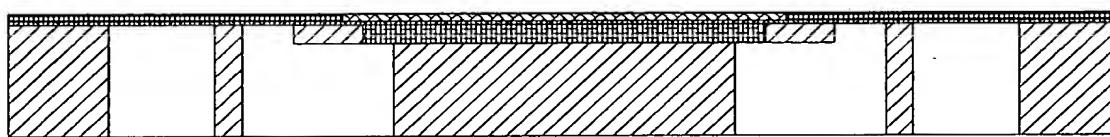
Silicon Substrate

Photo Resists

Metal Seed Layer

Porous Silicon

Figure 74B



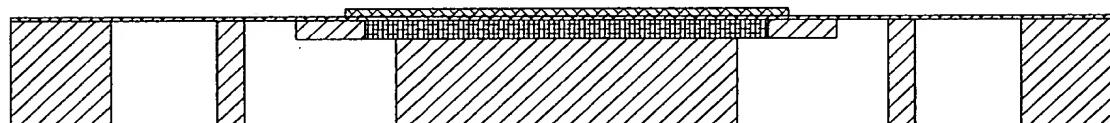
■ Silicon Substrate

■ Photo Resists

■ Pd Layer

■ Porous Silicon

Figure 75



■ Silicon Substrate

■ Porous Silicon

■ Pd Layer

Figure 76

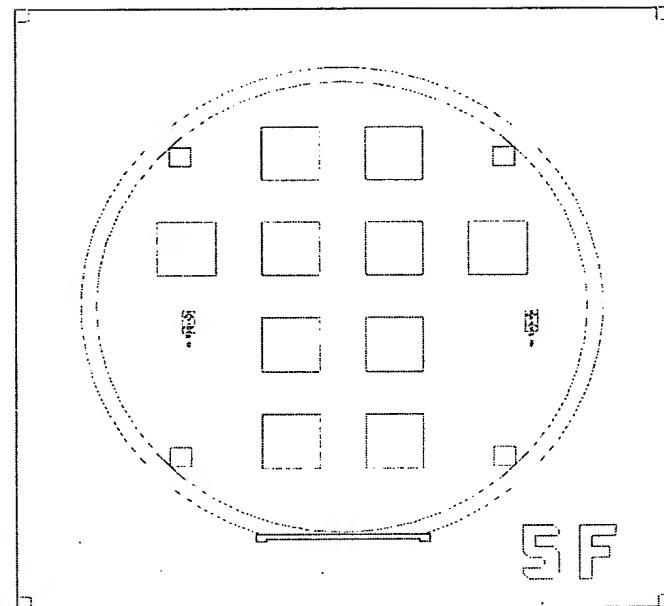
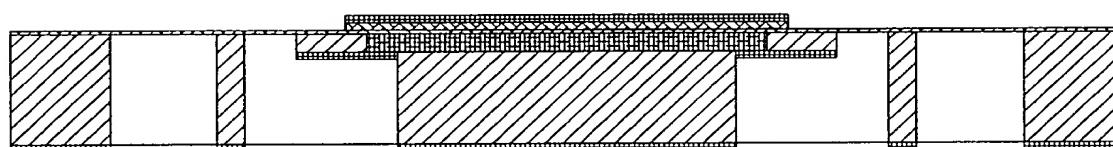


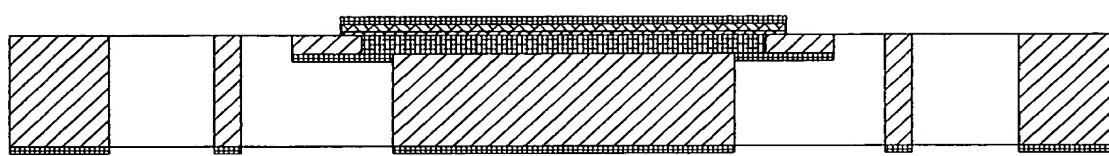
Figure 77A



Silicon Substrate	Porous Silicon
Pd Layer	Photo Resists

Figure 77B

TOP SECRET - 20250860



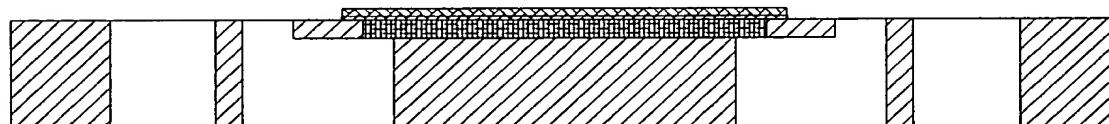
■ Silicon Substrate

■ Porous Silicon

■ Pd Layer

■ Photo Resists

Figure 78



■ Silicon Substrate

■ Porous Silicon

■ Pd Layer

Figure 79

U/TL/527

1051150-2233560-000

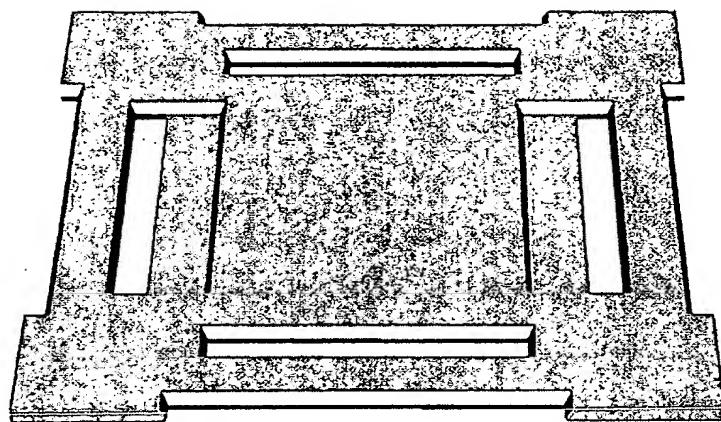


Fig. 80A

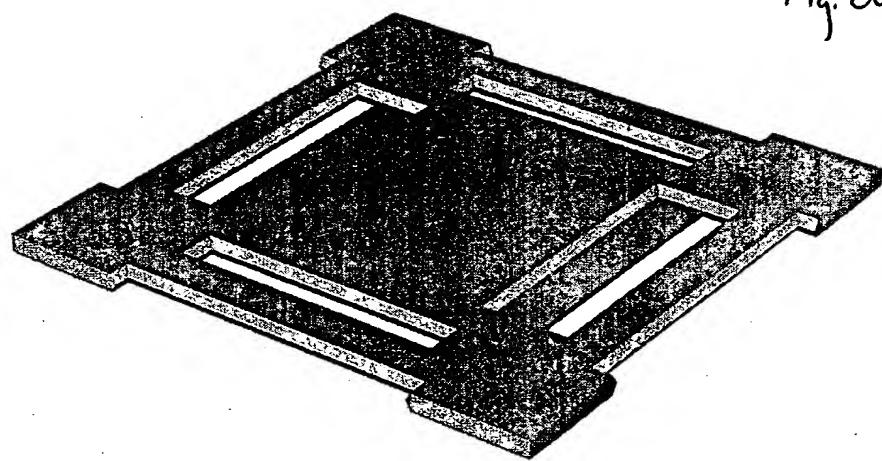


Fig. 80B

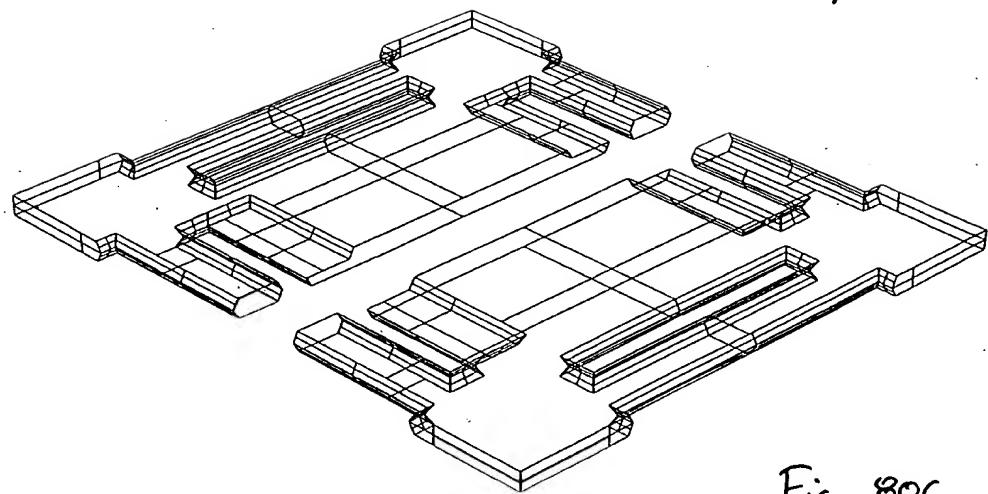
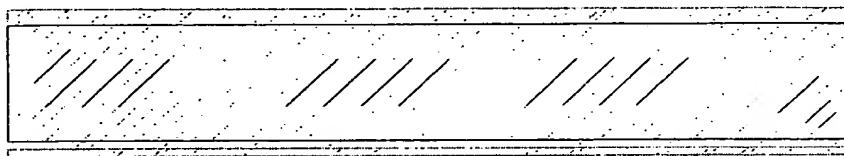
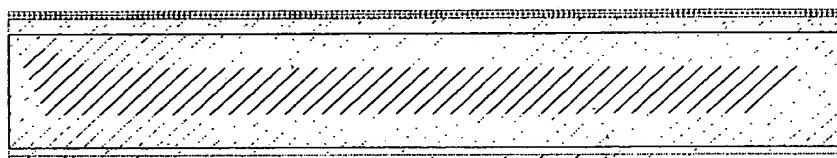


Fig. 80C



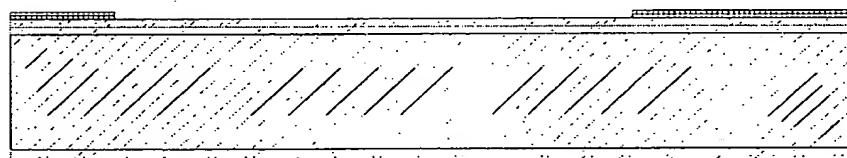
- Silicon Oxide
- Silicon Nitride
- Silicon Substrate

Fig. 81



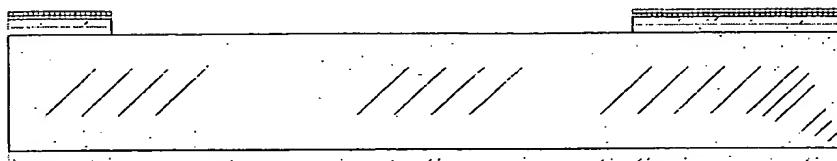
- Silicon Oxide Silicon Nitride
- Silicon Substrate Photomask

Fig. 82



- Silicon Oxide Silicon Nitride
- Silicon Substrate Photoresist

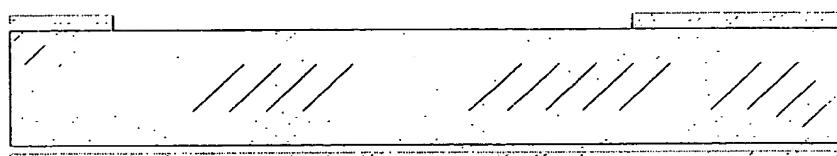
Fig. 83



- Silicon Oxide
- Silicon Substrate

- Silicon Nitride
- Photoresist

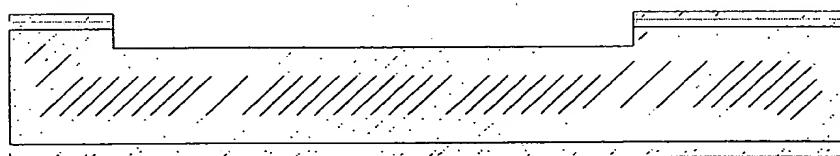
Fig. 84



- Silicon Oxide
- Silicon Substrate

Silicon Nitride

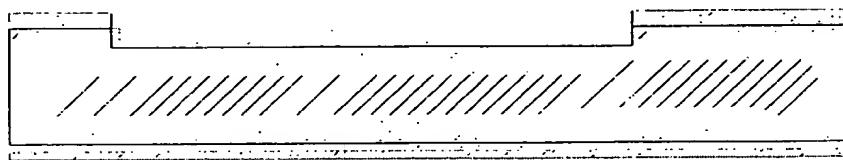
Fig. 85



- Silicon Oxide
- Silicon Substrate

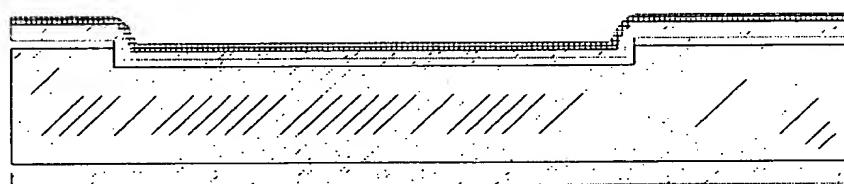
Silicon Nitride

Fig. 86



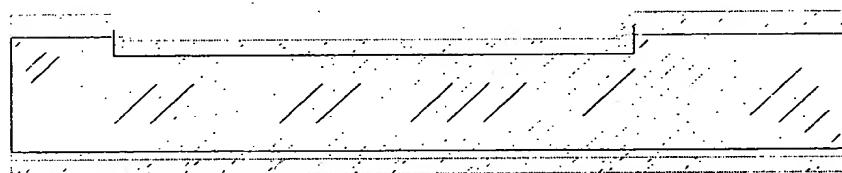
Silicon Oxide
 Silicon Nitride
 Silicon Substrate

Fig. 87



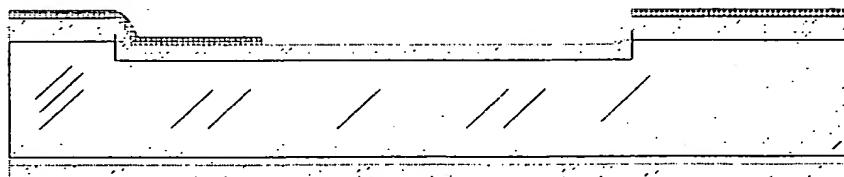
Silicon Oxide
 Silicon Nitride
 Silicon Substrate
 Photoresist

Fig. 88



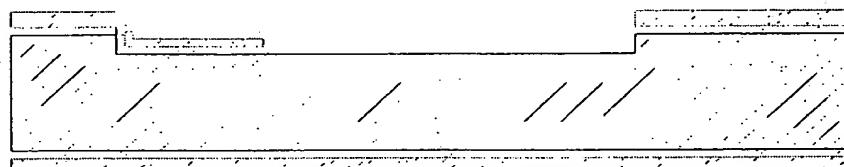
Silicon Oxide
 Silicon Nitride
 Silicon Substrate

Fig. 89



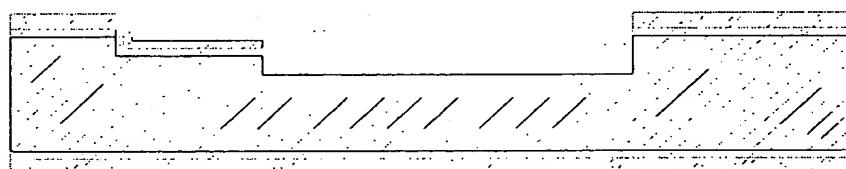
<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input checked="" type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Photoresist

Fig. 90



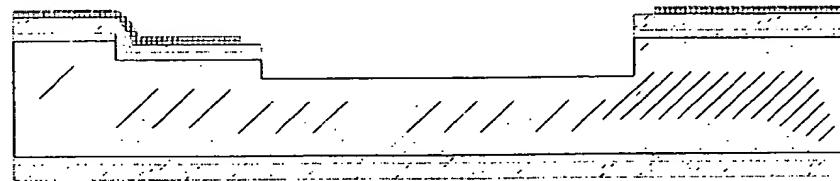
<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input checked="" type="checkbox"/> Silicon Substrate	

Fig. 91



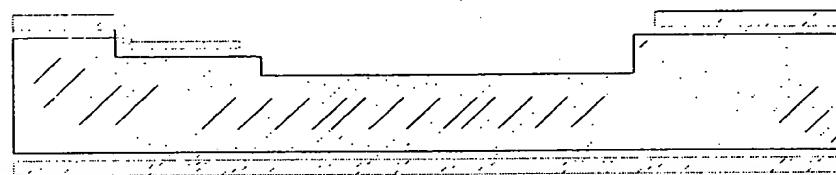
<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input type="checkbox"/> Silicon Substrate	

Fig. 92



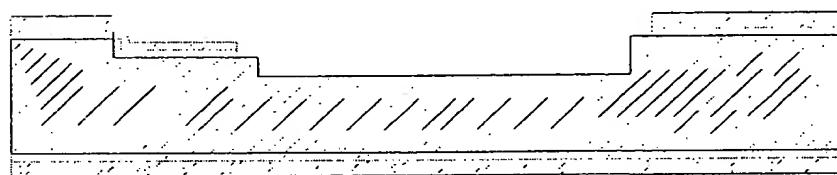
Silicon Oxide Silicon Nitride
 Silicon Substrate Photoresist

Fig. 93



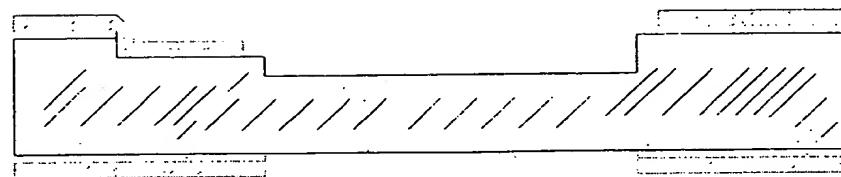
Silicon Oxide Silicon Nitride
 Silicon Substrate

Fig. 94



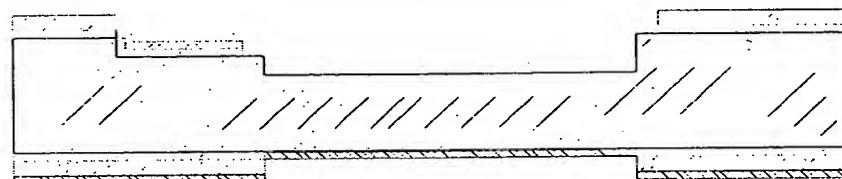
Silicon Oxide Silicon Nitride
 Silicon Substrate Photoresist

Fig. 95



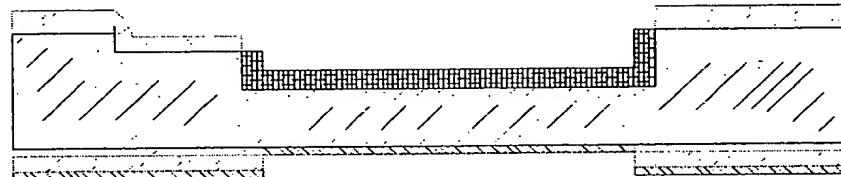
- Silicon Oxide Silicon Nitride
- Silicon Substrate

Fig. 96



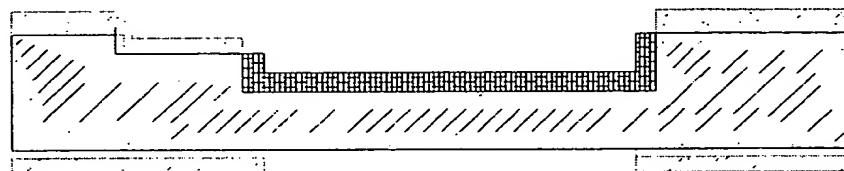
- Silicon Oxide Silicon Nitride
- Silicon Substrate Aluminum

Fig. 97



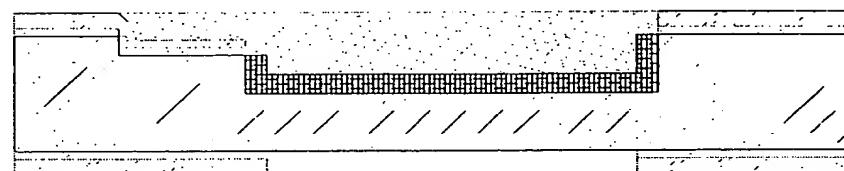
- Silicon Oxide
- Silicon Substrate
- Porous Silicon
- Silicon Nitride
- Aluminum

Fig. 98



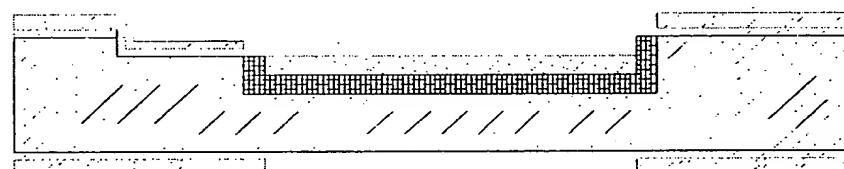
<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input checked="" type="checkbox"/> Silicon Substrate	
<input type="checkbox"/> Porous Silicon	

Fig. 99



<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input checked="" type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Sol-Gel
<input type="checkbox"/> Porous Silicon	

Fig. 100

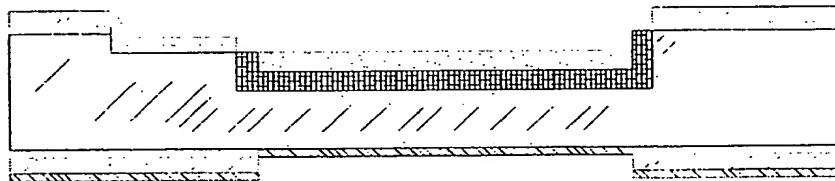


<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Sol-Gel
<input type="checkbox"/> Porous Silicon	

Fig. 101

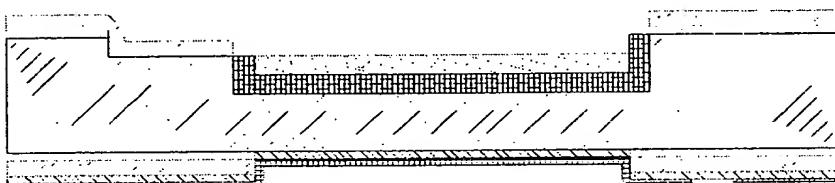
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0985827-051507



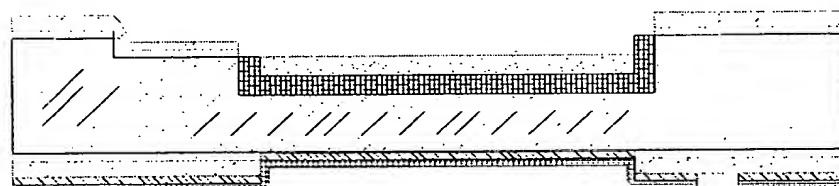
<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Sol-Gel
<input checked="" type="checkbox"/> Porous Silicon	<input type="checkbox"/> Aluminum

Fig. 102



<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input checked="" type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Sol-Gel
<input checked="" type="checkbox"/> Porous Silicon	<input type="checkbox"/> Aluminum
<input checked="" type="checkbox"/> Photore sist	

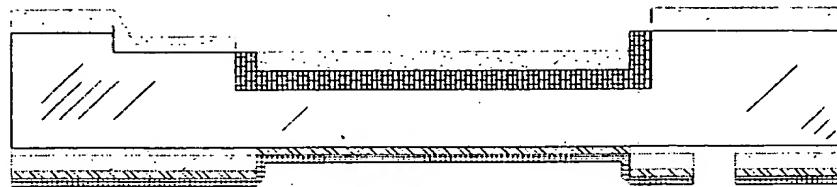
Fig. 103



<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Sol-Gel
<input checked="" type="checkbox"/> Porous Silicon	<input type="checkbox"/> Aluminum
<input checked="" type="checkbox"/> Photore sist	

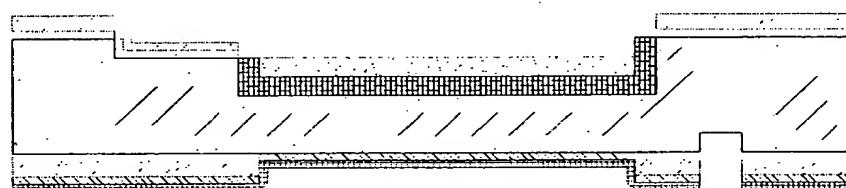
Fig. 104

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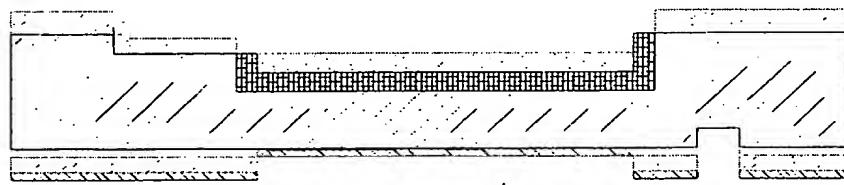
<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input checked="" type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Sol-Gel
<input checked="" type="checkbox"/> Porous Silicon	<input checked="" type="checkbox"/> Aluminum
<input checked="" type="checkbox"/> Photoresist	

Fig. 105



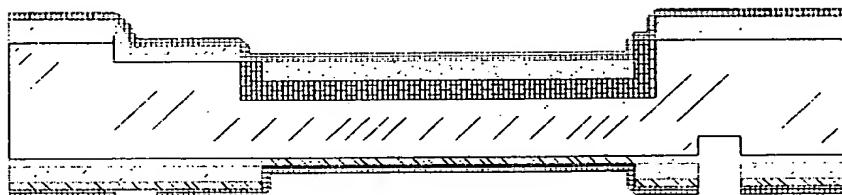
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<input checked="" type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Sol-Gel
<input checked="" type="checkbox"/> Porous Silicon	<input checked="" type="checkbox"/> Aluminum
<input checked="" type="checkbox"/> Photoresist	

Fig. 106



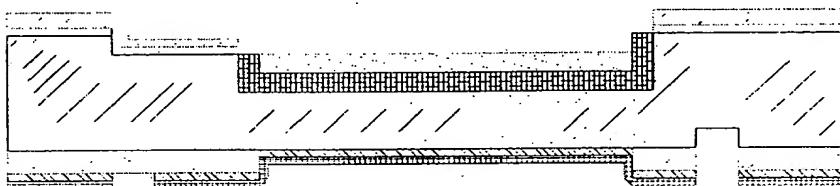
<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Sol-Gel
<input checked="" type="checkbox"/> Porous Silicon	<input checked="" type="checkbox"/> Aluminum
<input checked="" type="checkbox"/> Photoresist	

Fig. 107



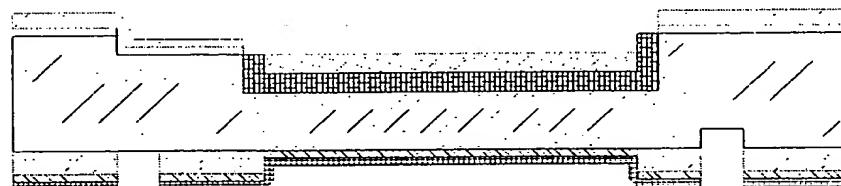
□ Silicon Oxide □ Silicon Nitride
☒ Silicon Substrate □ Sol-Gel
▨ Porous Silicon □ Aluminum
▨ Photoresist

Fig. 108



□ Silicon Oxide □ Silicon Nitride
☒ Silicon Substrate □ Sol-Gel
▨ Porous Silicon □ Aluminum
▨ Photoresist

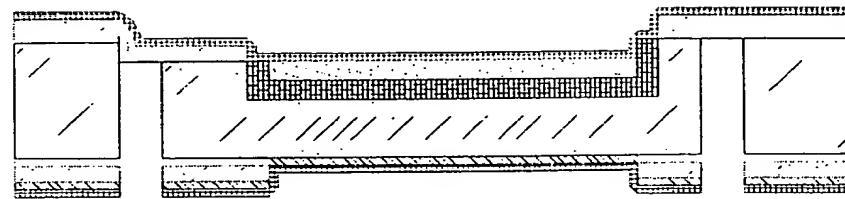
Fig. 109



□ Silicon Oxide □ Silicon Nitride
☒ Silicon Substrate □ Sol-Gel
▨ Porous Silicon □ Aluminum
▨ Photoresist

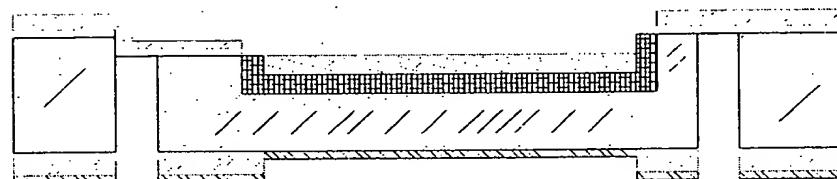
Fig. 110

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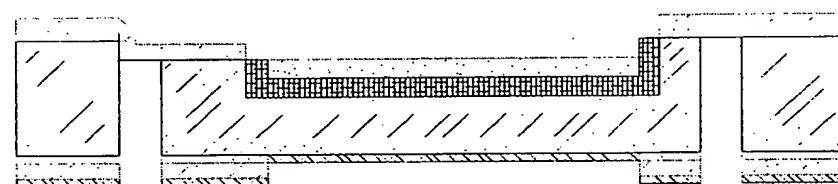
- Silicon Oxide
- Silicon Substrate
- Porous Silicon
- Photoresist
- Silicon Nitride
- Sol-Gel
- Aluminum

Fig. 11



<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Sol-Gel
<input checked="" type="checkbox"/> Porous Silicon	<input checked="" type="checkbox"/> aluminum

Fig. ____ 112



<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Sol-Gel
<input type="checkbox"/> Porous Silicon	<input type="checkbox"/> Aluminum
<input type="checkbox"/> Photoresist	

Fig. ____ 113

098533227-05150

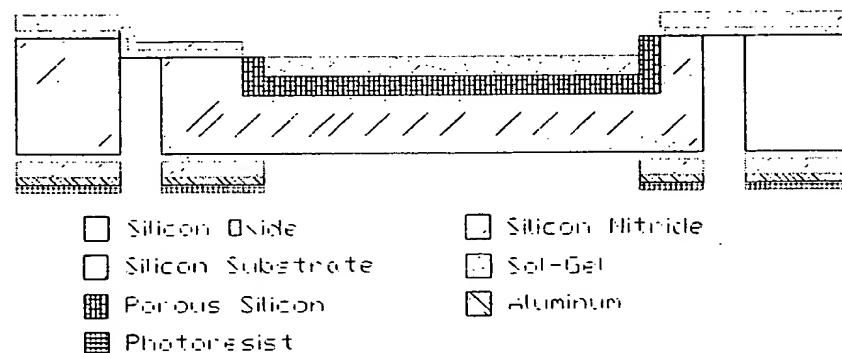


Fig. 114

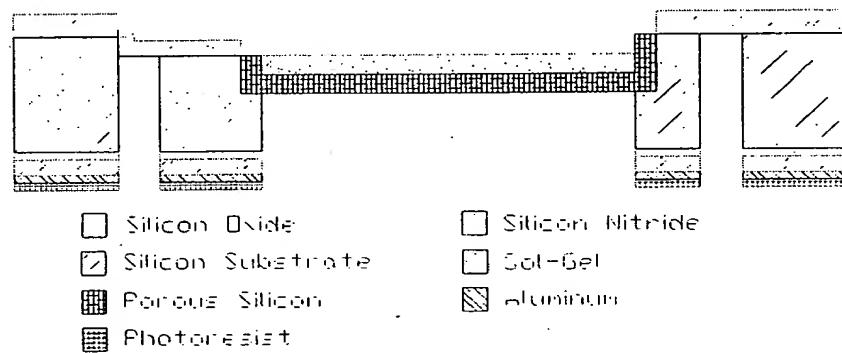


Fig. 115

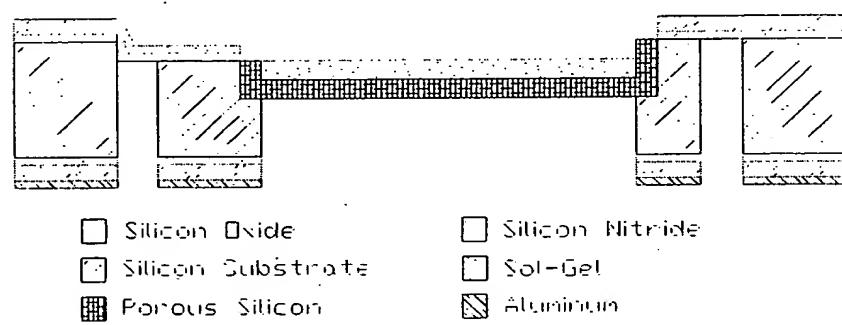


Fig. 116

09058327-051602

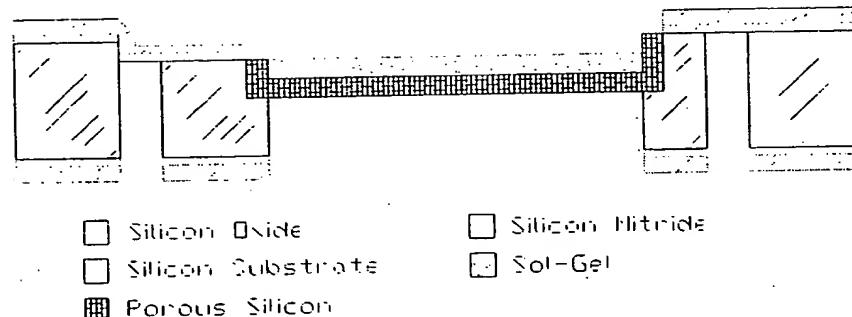


Fig. 117

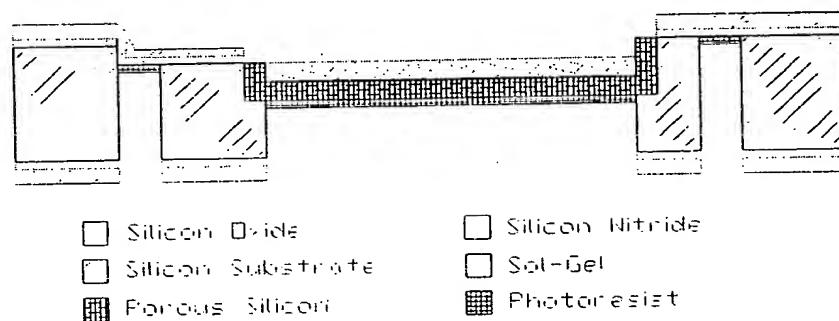


Fig. 118

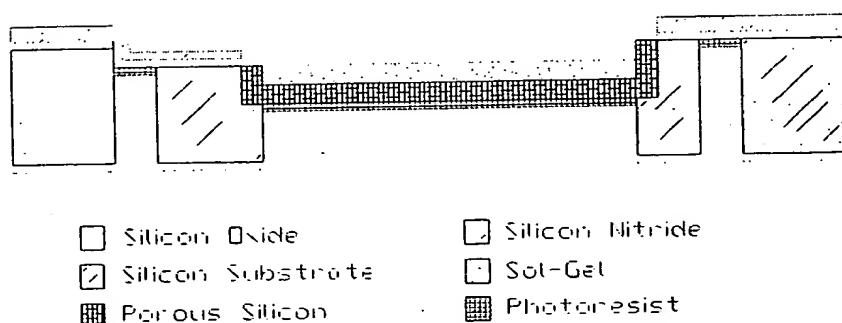
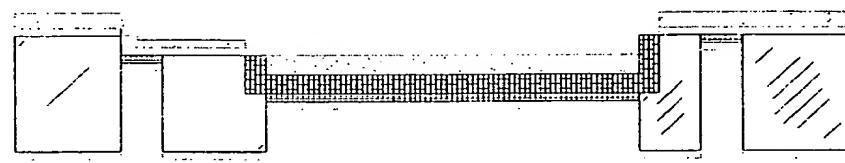


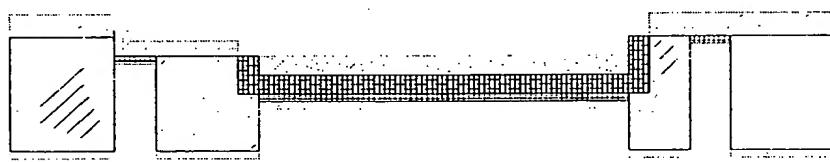
Fig. 119

09856327-051502



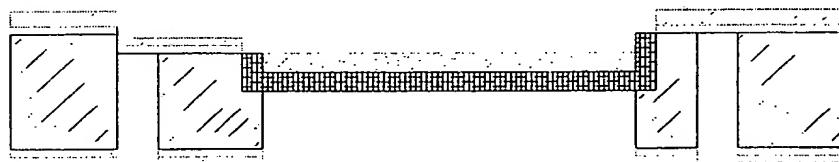
<input type="checkbox"/>	Silicon Oxide	<input type="checkbox"/>	Silicon Nitride
<input type="checkbox"/>	Silicon Substrate	<input type="checkbox"/>	Sol-Gel
<input checked="" type="checkbox"/>	Porous Silicon	<input checked="" type="checkbox"/>	Photoresist
<input type="checkbox"/>	Titanium		

Fig. 120



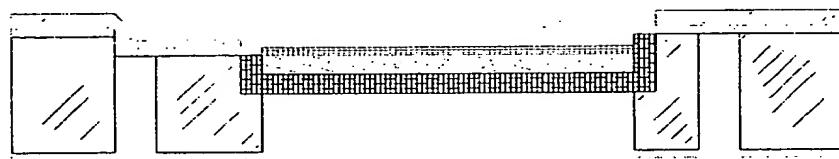
<input type="checkbox"/>	Silicon Oxide	<input type="checkbox"/>	Silicon Nitride
<input type="checkbox"/>	Silicon Substrate	<input type="checkbox"/>	Sol-Gel
<input checked="" type="checkbox"/>	Porous Silicon	<input checked="" type="checkbox"/>	Photoresist
<input type="checkbox"/>	Titanium	<input type="checkbox"/>	Gold

Fig. 121



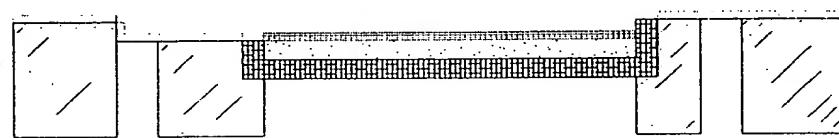
<input type="checkbox"/>	Silicon Oxide	<input type="checkbox"/>	Silicon Nitride
<input checked="" type="checkbox"/>	Silicon Substrate	<input type="checkbox"/>	Sol-Gel
<input checked="" type="checkbox"/>	Porous Silicon	<input type="checkbox"/>	Gold
<input type="checkbox"/>	Titanium		

Fig. 122



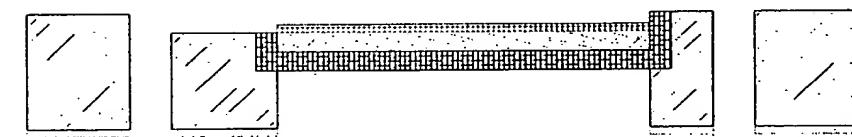
- Silicon Oxide
- Silicon Substrate
- Porous Silicon
- Titanium
- Silicon Nitride
- Sol-Gel
- Gold
- Photoresist

Fig. 123



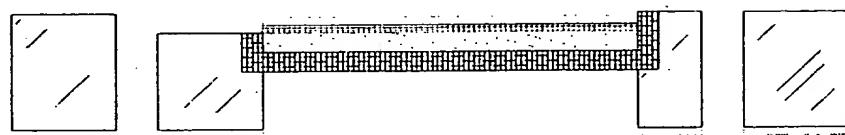
- Silicon Oxide
- Silicon Substrate
- Porous Silicon
- Titanium
- Sol-Gel
- Gold
- Photoresist

Fig. 124



- Silicon Oxide
- Silicon Substrate
- Porous Silicon
- Titanium
- Sol-Gel
- Gold
- Photoresist

Fig. — 125



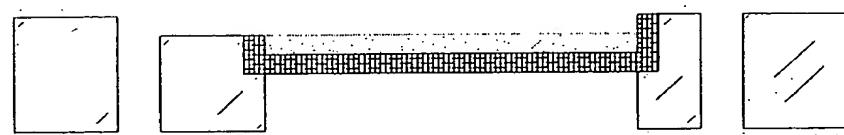
<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Sol-Gel
<input checked="" type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Gold
<input checked="" type="checkbox"/> Porous Silicon	<input checked="" type="checkbox"/> Photopolymer
<input type="checkbox"/> Titanium	

Fig. 126



<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Sol-Gel
<input type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Gold
<input checked="" type="checkbox"/> Porous Silicon	<input checked="" type="checkbox"/> Photopolymer
<input type="checkbox"/> Titanium	

Fig. 127

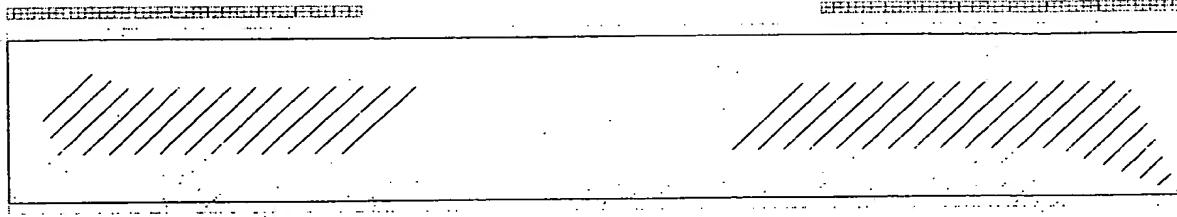


<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Titanium
<input checked="" type="checkbox"/> Silicon Substrate	<input checked="" type="checkbox"/> Sol-Gel
<input checked="" type="checkbox"/> Porous Silicon	<input type="checkbox"/> Gold

Fig. 128

09858327-051501

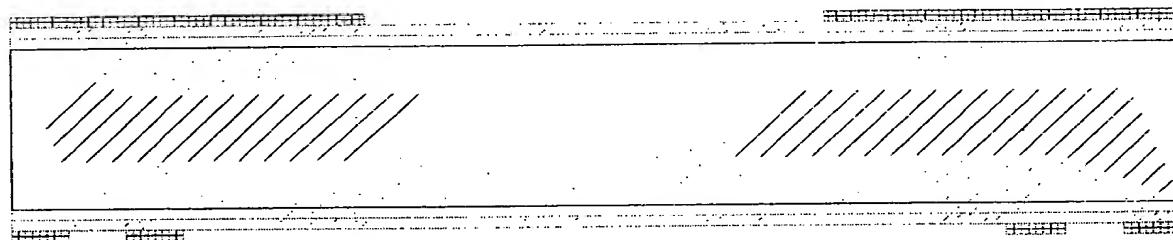
0985322-050150-0000000



- Silicon Oxide
- Silicon Substrate
- Photoresist

- Silicon Nitride

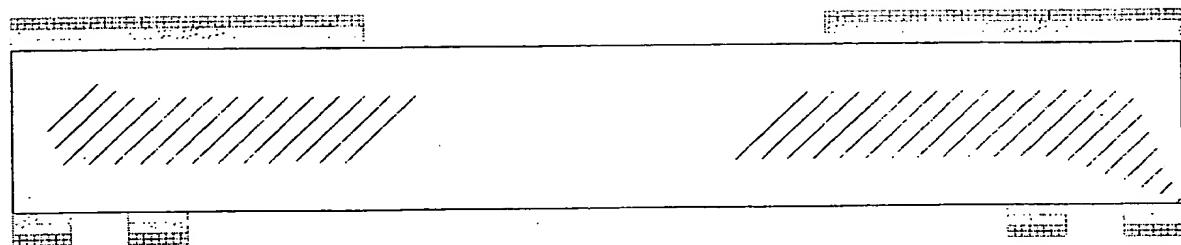
Fig. 129



- Silicon Oxide
- Silicon Substrate
- Photoresist

- Silicon Nitride

Fig. 130

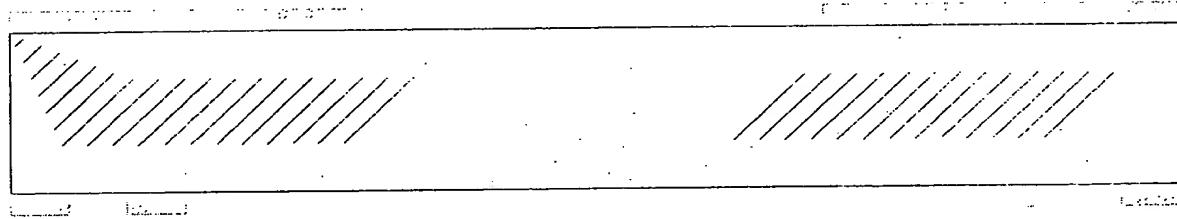


- Silicon Oxide
- Silicon Substrate
- Photopattern

- Silicon Nitride

09858327-051503

Fig. 131

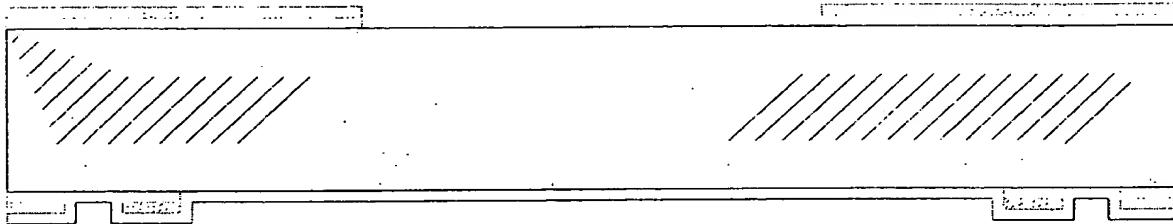


- Silicon Oxide
- Silicon Substrate

- Silicon Nitride

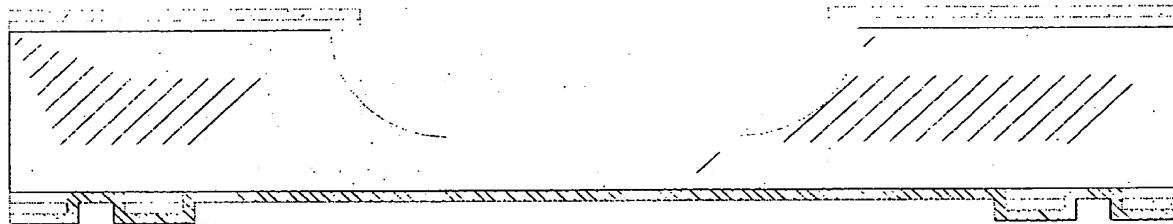
Fig. 132

09858327-051501



<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input checked="" type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Aluminum

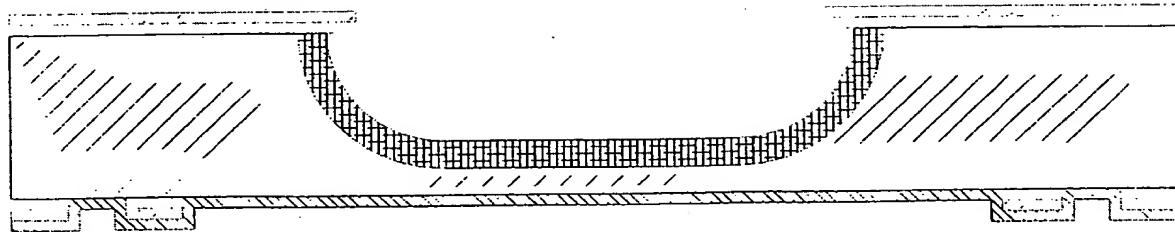
Fig. 133



<input type="checkbox"/> Silicon Oxide	<input checked="" type="checkbox"/> Silicon Nitride
<input type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Aluminum

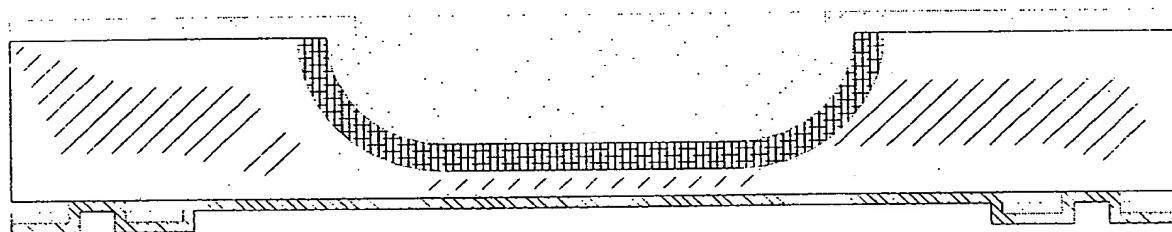
Fig. 134

09858327-051503



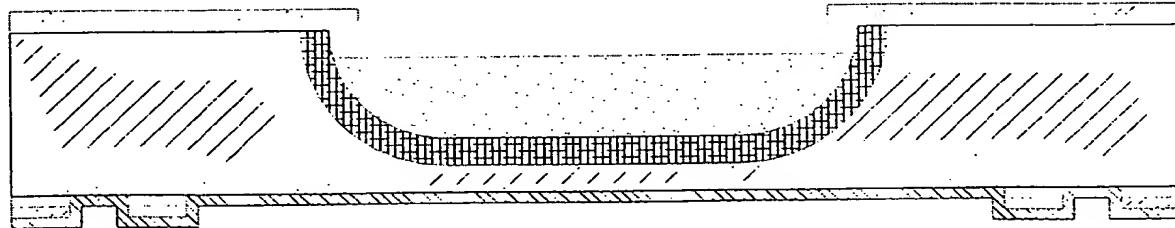
<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input checked="" type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Aluminum
<input type="checkbox"/> Porous Silicon	

Fig. 135



<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Aluminum
<input type="checkbox"/> Porous Silicon	
<input type="checkbox"/> Sol-Gel	

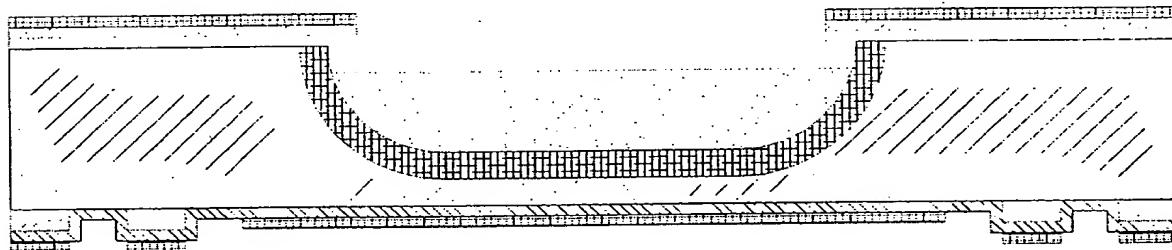
Fig. 136



- Silicon Oxide
- Silicon Substrate
- Porous Silicon
- Sol-Gel

- Silicon Nitride
- Aluminum

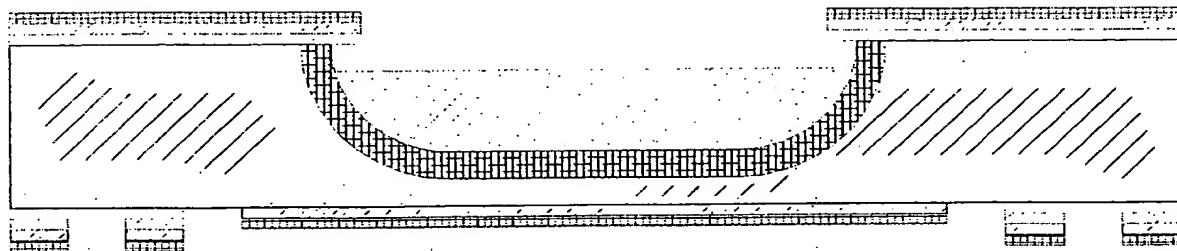
Fig. 137



- Silicon Oxide
- Silicon Substrate
- Porous Silicon
- Sol-Gel

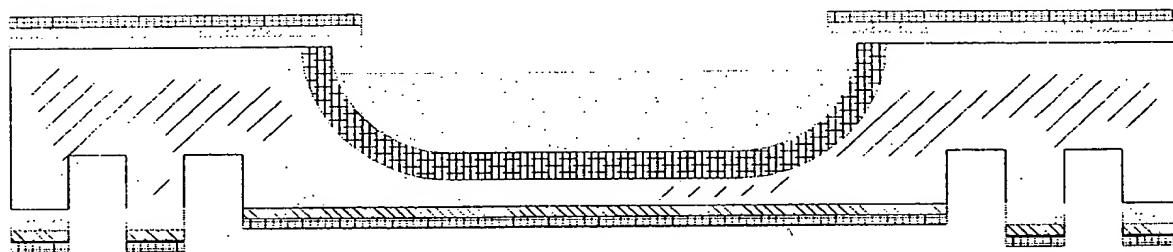
- Silicon Nitride
- Aluminum
- Copper

Fig. 138



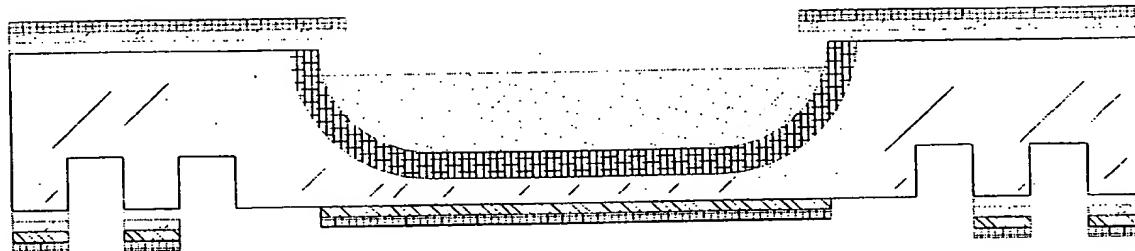
<input type="checkbox"/> Silicon Oxide	<input checked="" type="checkbox"/> Silicon Nitride
<input checked="" type="checkbox"/> Silicon Substrate	<input checked="" type="checkbox"/> Aluminum
<input checked="" type="checkbox"/> Porous Silicon	<input type="checkbox"/>
<input type="checkbox"/> Sol-Gel	

Fig. 139



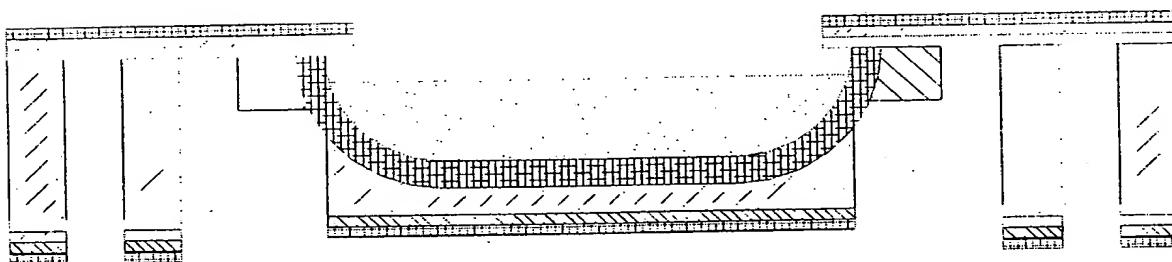
<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input checked="" type="checkbox"/> Silicon Substrate	<input checked="" type="checkbox"/> Aluminum
<input checked="" type="checkbox"/> Porous Silicon	<input checked="" type="checkbox"/>
<input type="checkbox"/> Sol-Gel	

Fig. 140



<input type="checkbox"/> Silicon Oxide	<input checked="" type="checkbox"/> Silicon Nitride
<input type="checkbox"/> Silicon Substrate	<input checked="" type="checkbox"/> Aluminum
<input checked="" type="checkbox"/> Porous Silicon	<input checked="" type="checkbox"/> Photoresist
<input type="checkbox"/> Sol-Gel	

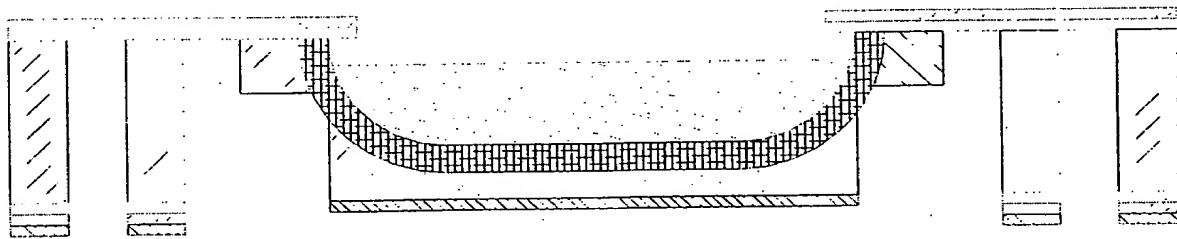
Fig. 141



<input checked="" type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input type="checkbox"/> Silicon Substrate	<input checked="" type="checkbox"/> Aluminum
<input checked="" type="checkbox"/> Porous Silicon	<input checked="" type="checkbox"/> Photoresist
<input type="checkbox"/> Sol-Gel	

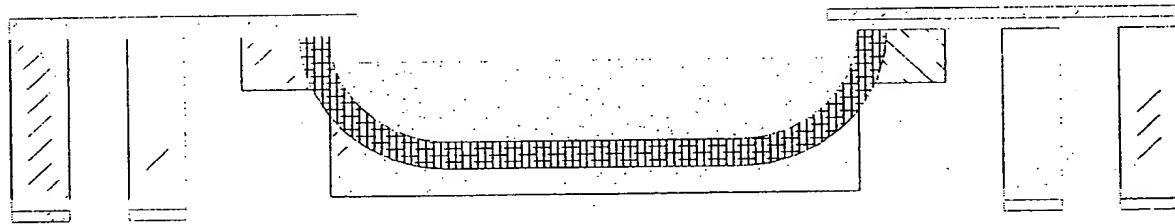
Fig. 142

09259322-05150



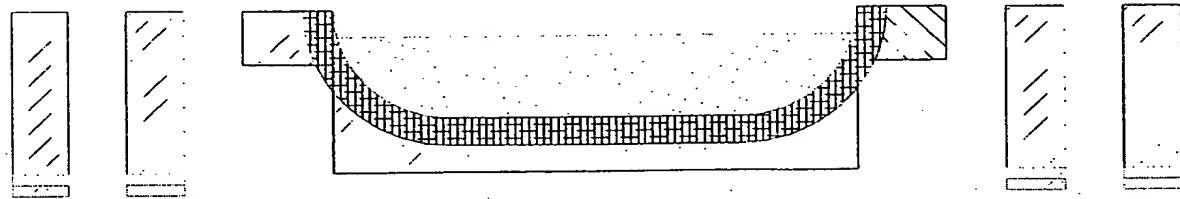
<input checked="" type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input type="checkbox"/> Silicon Substrate	<input checked="" type="checkbox"/> Aluminum
<input checked="" type="checkbox"/> Porous Silicon	

Fig. 143



<input checked="" type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input type="checkbox"/> Silicon Substrate	
<input checked="" type="checkbox"/> Porous Silicon	

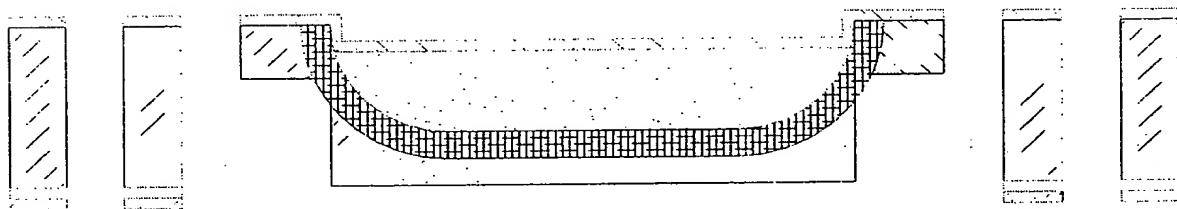
Fig. 144



- Silicon Oxide
- Silicon Substrate
- Porous Silicon
- Silicon Nitride

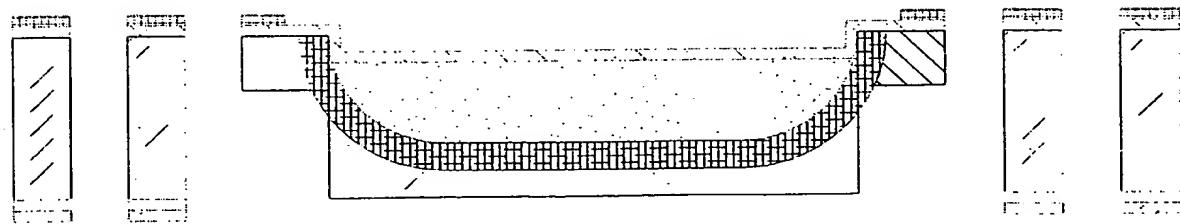
P057450-2000000000

Fig. 145



- Silicon Oxide
- Silicon Substrate
- Porous Silicon
- Silicon Nitride
- Palladium

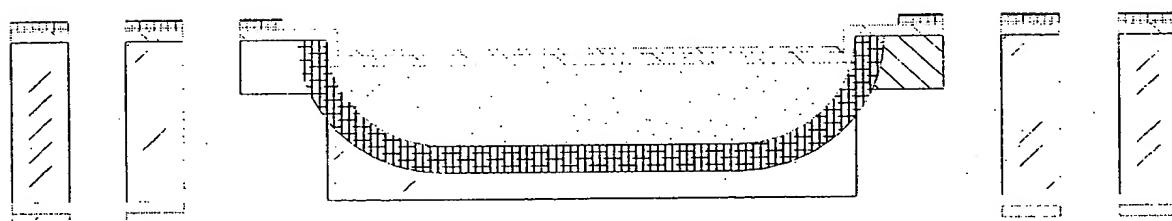
Fig. 146



<input checked="" type="checkbox"/> Silicon Oxide	<input checked="" type="checkbox"/> Silicon Nitride
<input type="checkbox"/> Silicon Substrate	<input checked="" type="checkbox"/> Palladium
<input checked="" type="checkbox"/> Porous Silicon	<input checked="" type="checkbox"/> Photoresist

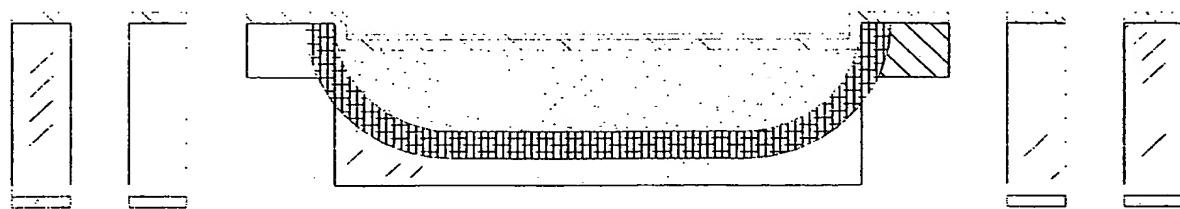
09656327-051504

Fig. 147



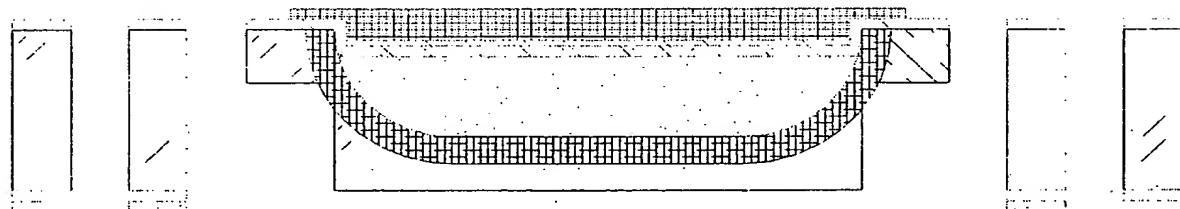
<input checked="" type="checkbox"/> Silicon Oxide	<input checked="" type="checkbox"/> Silicon Nitride
<input type="checkbox"/> Silicon Substrate	<input checked="" type="checkbox"/> Palladium
<input checked="" type="checkbox"/> Porous Silicon	<input checked="" type="checkbox"/> Photoresist

Fig. 148



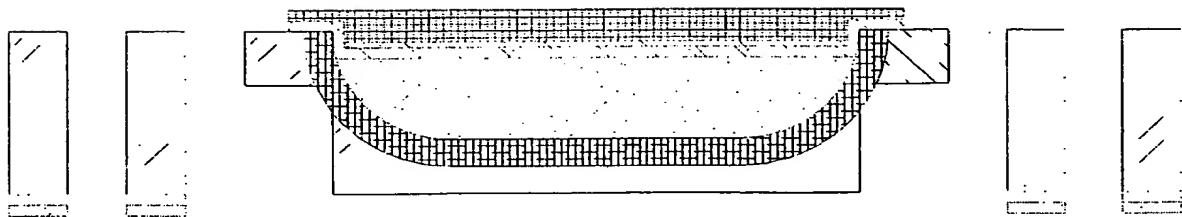
<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Palladium
<input checked="" type="checkbox"/> Porous Silicon	<input checked="" type="checkbox"/> Photoresist

Fig. 149



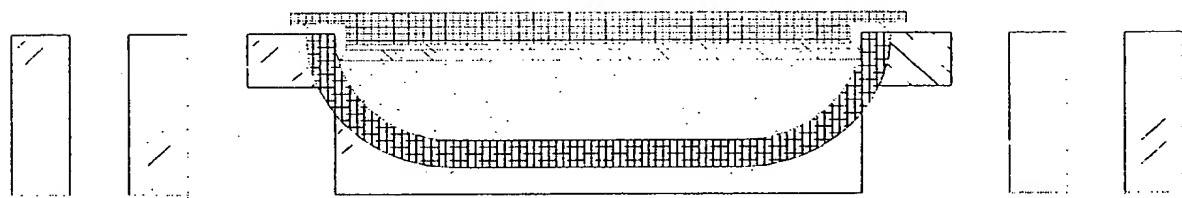
- Silicon Dioxide
- Silicon Substrate
- Porous Silicon
- Sol-Gel
- Silicon Nitride
- Palladium
- Photoresist

Fig. _____ 150



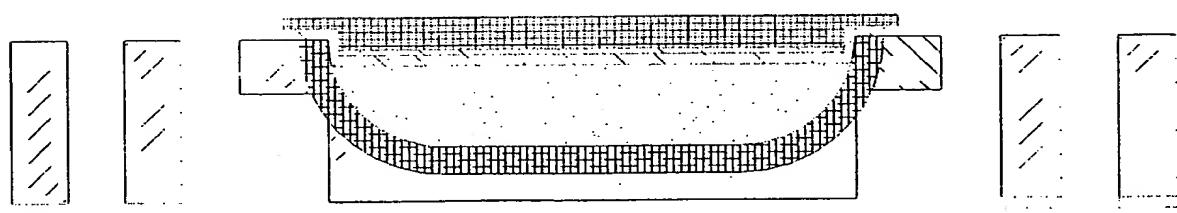
<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Palladium
<input type="checkbox"/> Porous Silicon	<input type="checkbox"/> Photoresist
<input type="checkbox"/> Sol-Gel	

Fig. ____ 151



<input type="checkbox"/> Silicon Oxide	<input type="checkbox"/> Silicon Nitride
<input type="checkbox"/> Silicon Substrate	<input type="checkbox"/> Palladium
<input type="checkbox"/> Porous Silicon	<input type="checkbox"/> Photoresist
<input type="checkbox"/> Sol-Gel	

Fig. 152



<input type="checkbox"/>	Silicon Oxide	<input type="checkbox"/>	Silicon Nitride
<input type="checkbox"/>	Silicon Substrate	<input checked="" type="checkbox"/>	Palladium
<input checked="" type="checkbox"/>	Porous Silicon	<input checked="" type="checkbox"/>	Photoresist
<input type="checkbox"/>	Col-Gel	<input type="checkbox"/>	Ti-Tungsten
		<input type="checkbox"/>	Gold

Fig. _____ 153